API Well Number: 43047533240000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Desert Springs State 412-36-9-18

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
8 MILE FLAT NORTH

4. TYPE OF WELL
Gas Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
GASCO PRODUCTION COMPANY

7. OPERATOR PHONE

8. ADDRESS OF OPERATOR
8 Inverness Dr. East, Suite 100, Englewood, CO, 80112

9. OPERATOR E-MAIL

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
ML45171

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1462 FNL 1352 FEL	SWNE	36	9.0 S	18.0 E	S
Top of Uppermost Producing Zone	495 FNL 660 FEL	NENE	36	9.0 S	18.0 E	S
At Total Depth	495 FNL 660 FEL	NENE	36	9.0 S	18.0 E	S

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
495

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1000

26. PROPOSED DEPTH
MD: 12885 TVD: 12700

27. ELEVATION - GROUND LEVEL
4912

28. BOND NUMBER
K08792707

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
41-3530

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.25	13.375	0 - 60	48.0	H-40 ST&C	8.3	Class G	55	1.18	15.8
SURF	12.25	9.625	0 - 3400	36.0	J-55 LT&C	8.3	Hi Lift "G"	290	3.91	11.0
							Premium Foamed	115	1.63	14.2
PROD	8.75	4.5	0 - 12885	13.5	HCP-110 LT&C	11.6	Premium Lite High Strength	680	2.26	12.0
							50/50 Poz	2090	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Roger Knight **TITLE** EHS Supervisor **PHONE** 303 996-1803

SIGNATURE **DATE** 11/19/2012 **EMAIL** rknight@gascoenergy.com

API NUMBER ASSIGNED
43047533240000

APPROVAL

Permit Manager

RECEIVED: March 12, 2013

Gasco Production Company
Desert Springs State 412-36-9-18
NE/NE, Section #36, Township 9 South, Range 18 East
Uintah County, **Utah**
Lease No. ML-45171

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth	Subsea
Wasatch	5165'	-110
Mesaverde	9055'	-4000'
Castlegate	11455'	-6400'
Blackhawk	11705'	-6650'
Spring Canyon	12365'	-7310'
TD	12885'	

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations

Substance	Formation	Depth
Gas	Wasatch	5165' – 9054'
Gas	Mesaverde	9055' – 11454'
Gas	Blackhawk	11705' - 12364'
Gas	Spring Canyon	12365' - 12855'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment

All well control equipment will be in accordance to UDOGM Conservation Rules for 5M Systems and are as follows:

5,000# BOP with 4 ½" Pipe Rams
5,000# BOP with Blind Rams
5,000# Annular

Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline on pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Pressure Control Equipment Continued

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

a. when initially installed;
b. whenever any seal subject to test pressure is broken
c. following related repairs; and
d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more that once a day.

A BPOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP 53 Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling cement plugs.

A rotating head will be utilized to set surface casing as in the casing and string design. This would be used as a diverter.

UDOGM will be notified, with sufficient lead time, in order to have a UDGOM representative on location during testing.

a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.

b. A choke line and kill line are to be properly installed. The kill line is not to be used as a fill-up line.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones abnormally pressured zones and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics. All indications of usable water shall be reported.

b. Casing Program

	Depth	Hole Size	O.D.	Grade	Weight	Type
Conductor	60'	17.25"	13.375"	H-40	48#	-
Surface	3400'	12.25"	9.625"	J-55	36#	LTC
Production	12885'	8.75"	4.5"	HCP-110	13.5#	LTC

c. Casing design subject to revision based on geologic conditions encountered.

d. Cement Program

	Top of Cement	Sacks	Cement Type	Yield	Supply Wt.
Conductor	To surface	55	Class G	1.18	15.8
Surface	To surface	290	Hi-Lift	3.91	11.0
		115	RFC	1.63	14.2
Production	To surface	680	Premium Lite	2.26	12.0
		2090	50/50 poz	1.31	14.3

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. UDOGM should be notified, with sufficient lead time, in order to have a UDOGM representative on location while running all casing strings and cementing.

f. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

g. The following reports shall be filed with UDOGM within 30 days after the work is completed.

1. Progress reports, per UDOGM Conservation General Rules "Sundry Notices and Reports on Wells", must Include complete information concerning:

a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing,

depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.

b. Temperature or bond log must be submitted for each well where the casing cement was not circulated to the surface.
c. Auxiliary equipment to be used is as follows:

1. Kelly cock

2. A bit float

3. A sub with full opening valve.

5. Drilling Fluids Program:

Interval	Type	Wt. (ppg)	Viscosity	pH	Water Loss	Remarks
0-60'	Air Mist	8.3	1	7.0	NA	
60'-3400'	AirMist	8.3	35	7.0	NA	
3400'-TD	Water based mud	8.3– 11.6	35	10-10.5		

a. Sufficient quantities of mud material will be maintained on site or be readily available for the purpose of assuring well control. SPR will be recorded on a daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

b. No chromate additives will be used in the mud system on State lands without prior UDOGM approval to ensure adequate protection of fresh water aquifers.

c. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

d. The use of materials under UDOGM jurisdiction will conform to the Conservation General Rules.

e. Water will come from: Water Right No. 41-3530.

f. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

g. No water well will be drilled on this lease

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stern tests are anticipated, if DST's are run, the following requirements will be adhered to:

Initial opening of the drill stern test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that ate required to "run" during the test shall have spark arresters or water cooled exhausts.

b. The logging program will consist of Schlumberger Platform Express (or equivalent) to be run from base of surface casing to TD.

c. No cores are anticipated.

d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" will be submitted no latter than 30 days after the completion of the well or after completion of operations being performed, in accordance with UDOGM Conservation General Rules. Two copies of all logs, core descriptions, core analyses, well tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed.
Samples (cutting, fluids, and/or gases will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the wellbore. Produce all zones commingled.

f. Daily drilling and completion progress reports shall be submitted to the UDOGM on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 7655psig

The maximum bottom hole temperature anticipated is 230 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

8. Anticipated Starting Dates and Notifications of Operations

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 15 days.

c. UDOGM shall be notified of the anticipated date of location construction and anticipated spud date.

d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO
will be obtained and notification given before resuming operations.

e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.

f. In accordance with UDOGM Consevation Genral Rules, this well will report "Monthly Report Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the UDOGM.

g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO in accordance with the requirements.

h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect will be filed, or prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

i. Should the well be successfully completed for production, the AO will be notified when the well is placed on producing status. Written notification, e-mail or otherwise, will be sent no latter than 5 days following the date on which the well is placed on production.

j. With the approval of the UDOGM Engineer, produced water may be temporarily disposed of into unlined pits for a period of 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the UDOGM Engineer.

k. Operators are authorized to vent/flare gas during initial well evaluation test, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the UDOGM Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.

l. A schematic facilities diagram shall be submitted to UDOGM within 60 days of installation or first production whichever occurs first. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with UDOGM Conservation General Rules.

m. A first production conference will be scheduled within 15 days after receipt of the first production notice.

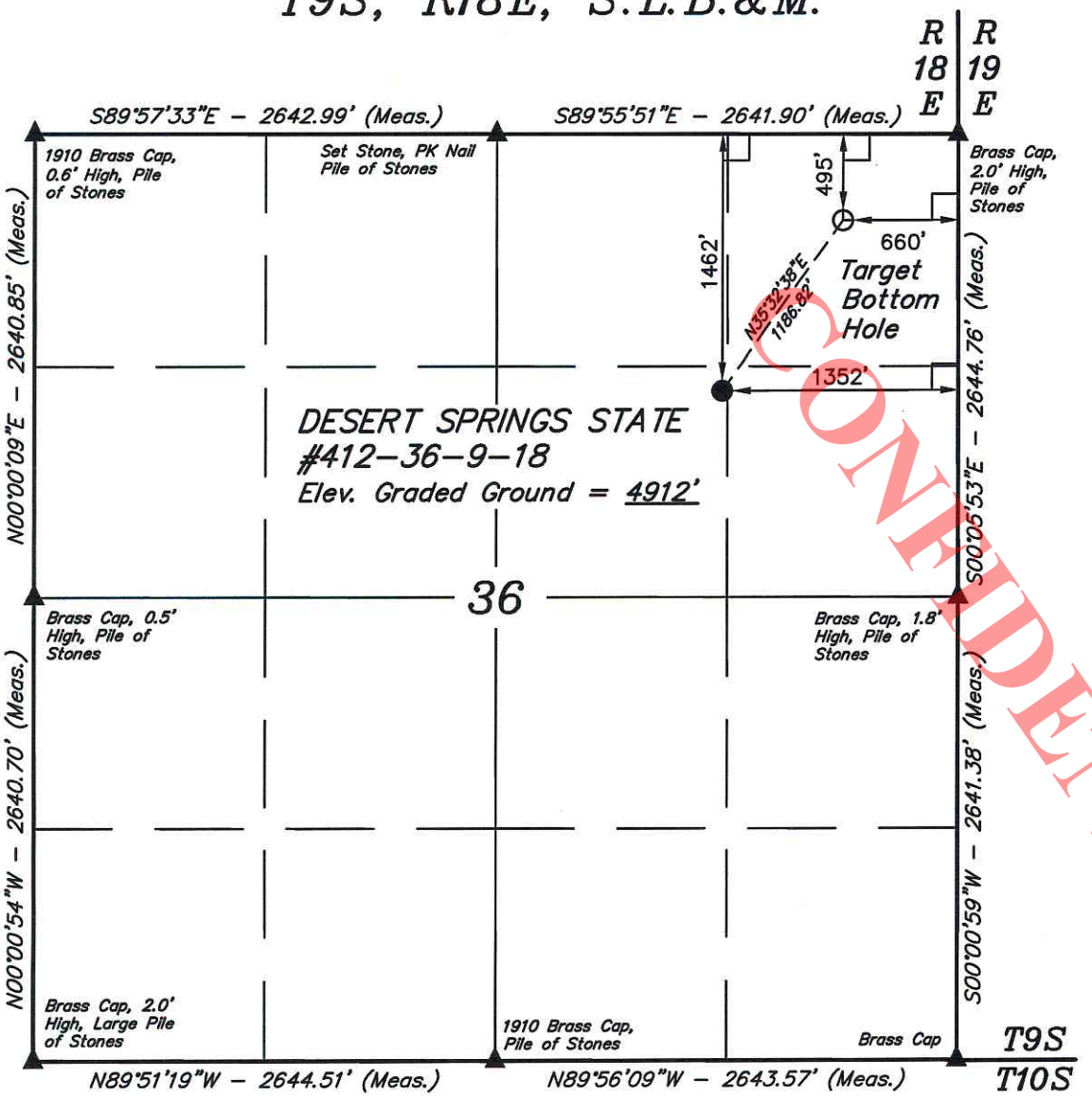
n. No well abandonment operations will commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on State lands.

Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84116

Phone 801-538-5340
Fax 801-539-3940

T9S, R18E, S.L.B.&M.



GASCO PRODUCTION COMPANY

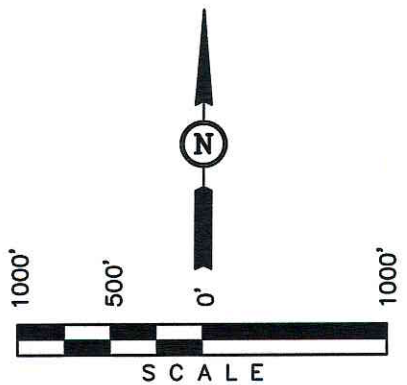
Well location, DESERT SPRINGS STATE #412-36-9-18, located as shown in the SW 1/4 NE 1/4 of Section 36, T9S, R18E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH 09-04-12

CONFIDENTIAL

LEGEND:

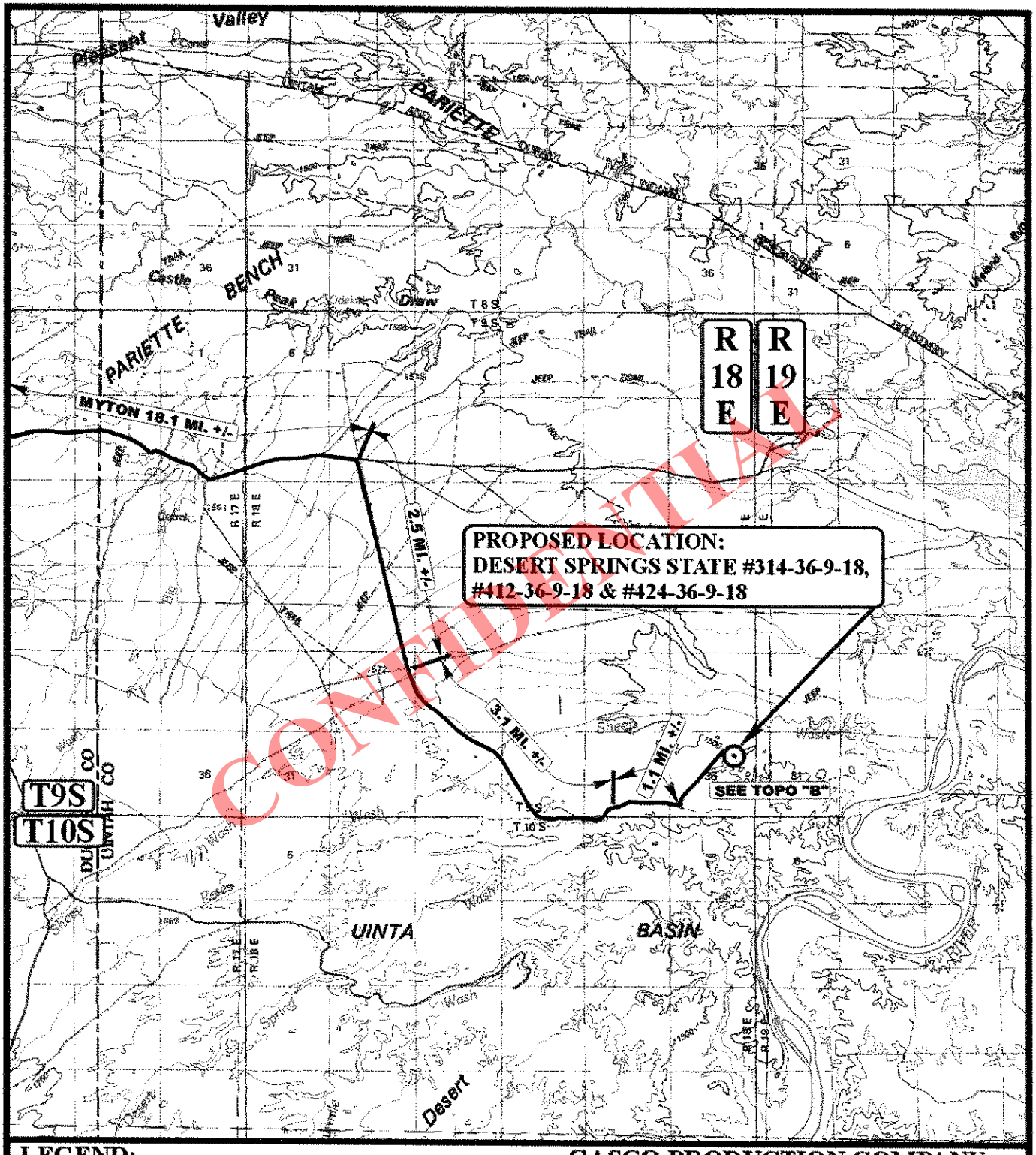
- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°59'35.79" (39.993275)	LATITUDE = 39°59'26.25" (39.990625)
LONGITUDE = 109°50'05.68" (109.834911)	LONGITUDE = 109°50'14.55" (109.837375)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°59'35.92" (39.993311)	LATITUDE = 39°59'26.38" (39.990661)
LONGITUDE = 109°50'03.16" (109.834211)	LONGITUDE = 109°50'12.03" (109.836675)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 08-27-12	DATE DRAWN: 08-28-12
PARTY: J.F. D.D. T.B.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: GASCO PRODUCTION COMPANY	

API Well Number: 43047533240000



LEGEND:

⊙ PROPOSED LOCATION

N

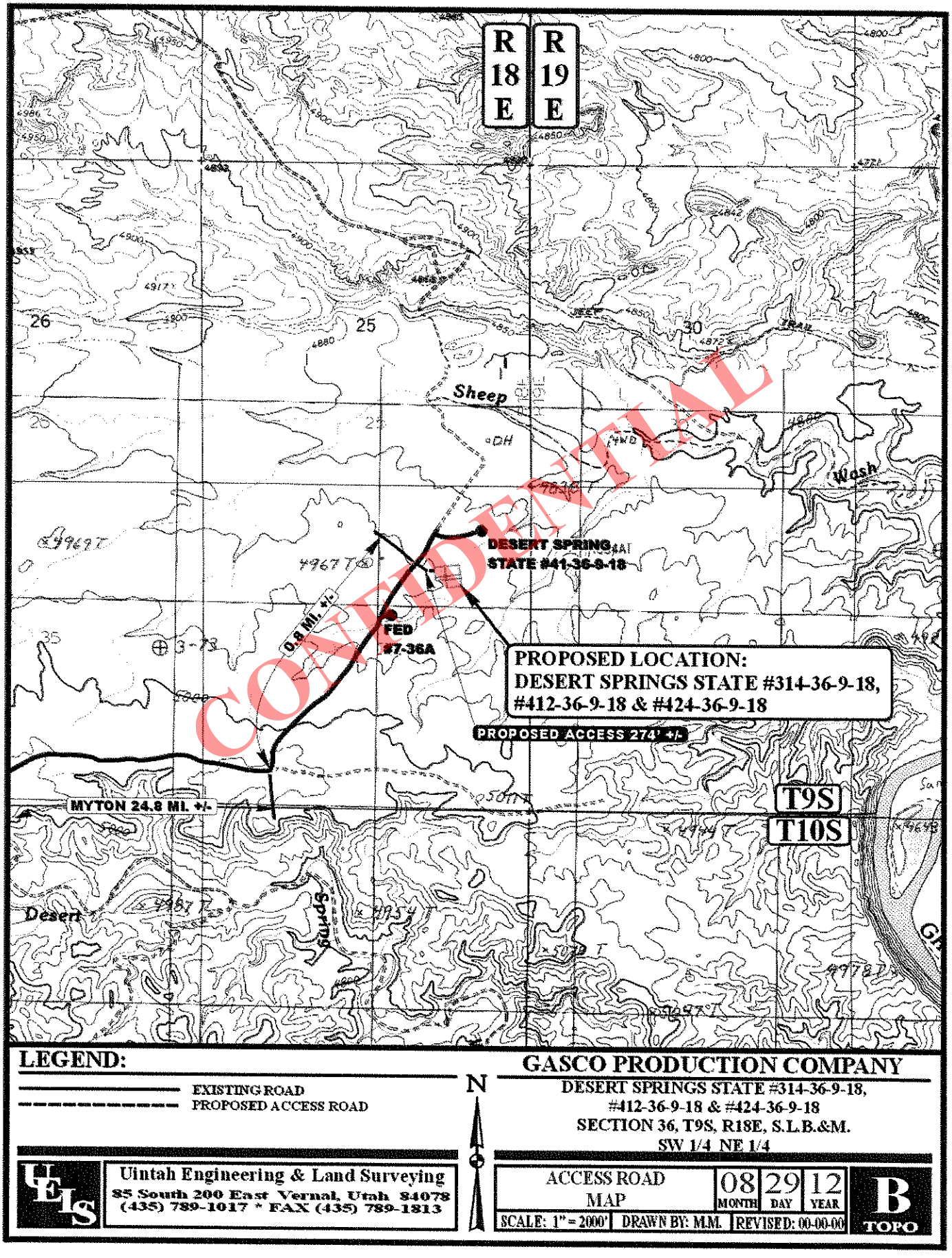
GASCO PRODUCTION COMPANY

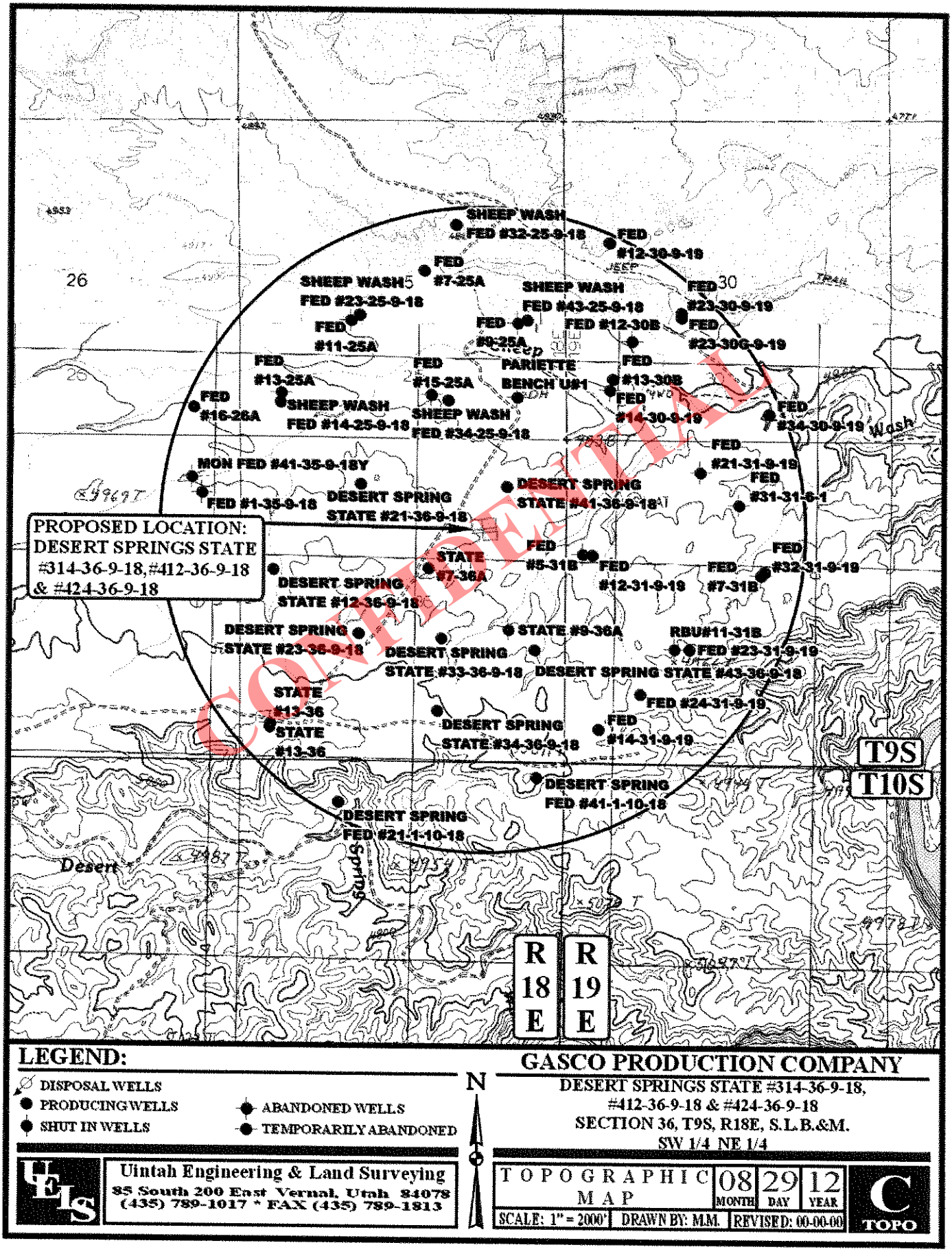
DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4, NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	08 MONTH	29 DAY	12 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: M.M.	REVISED: 00-00-00		

API Well Number: 43047533240000





LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

GASCO PRODUCTION COMPANY

DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

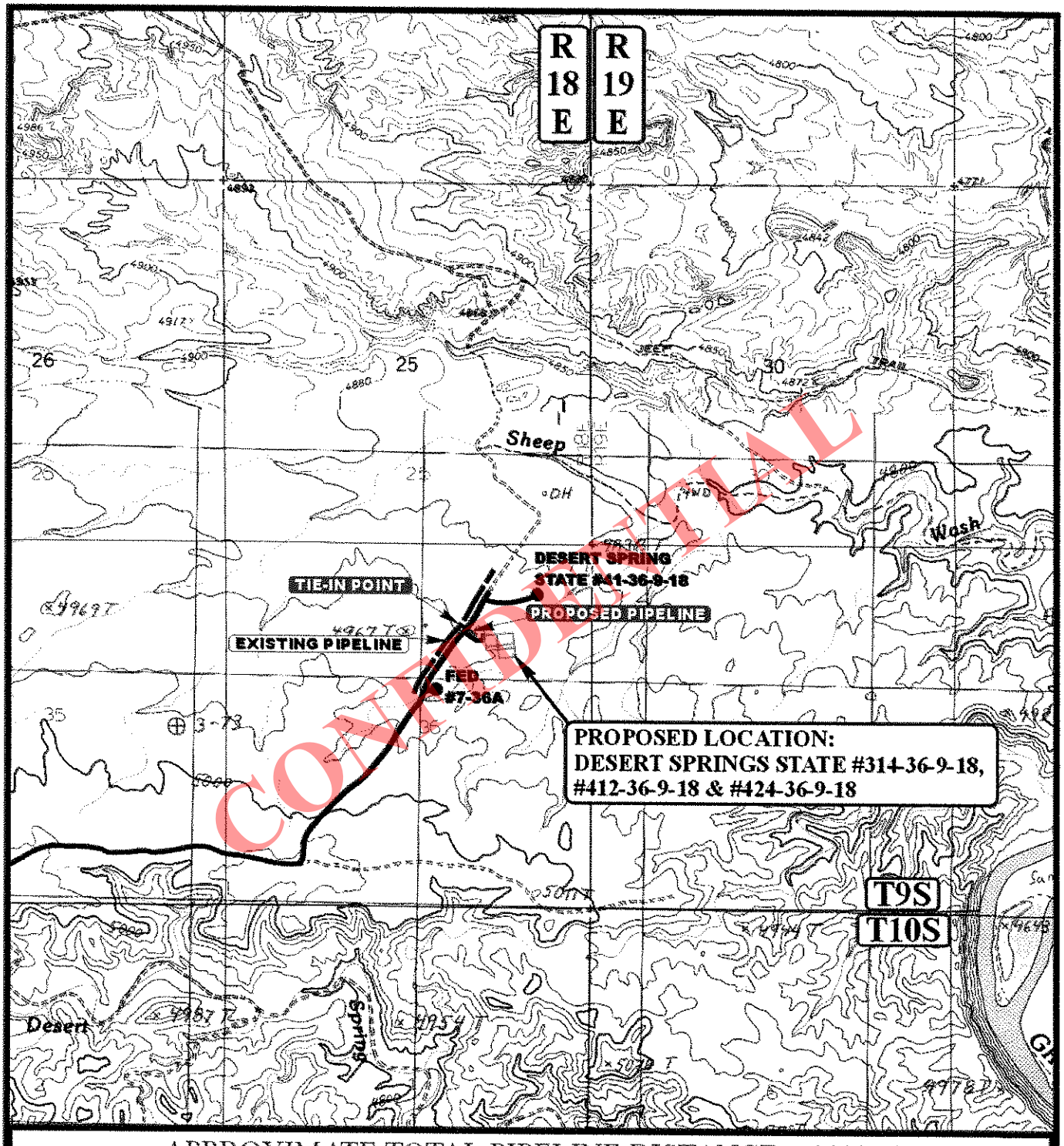
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 08 MONTH | 29 DAY | 12 YEAR

SCALE: 1" = 2000' | DRAWN BY: M.M. | REVISED: 00-00-00

C TOPO

API Well Number: 43047533240000



APPROXIMATE TOTAL PIPELINE DISTANCE = 303' +/-

LEGEND:

EXISTING ROAD
PROPOSED ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

GASCO PRODUCTION COMPANY

DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	08 MONTH	29 DAY	12 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: M.M.	REVISED: 00-00-00		

GASCO Energy

Gasco Energy

Uintah County, UT
Sec 36, T9S, R18E - Desert Springs
Desert Springs State #412-36-9-18

Original Hole

Plan: Plan #1

Standard Planning Report

09 November, 2012

gyrodata

Precision Wellbore Placement

GASCO Energy

Planning Report

gyrodata
Precision Wellbore Placement

Database:	Gyrodata Single User DB	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Company:	Gasco Energy	**TVD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	**MD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	**North Reference:**	True
Well:	Desert Springs State #412-36-9-18	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Project	Uintah County, UT		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sec 36, T9S, R18E - Desert Springs				
Site Position:		**Northing:**	605,545.93 usft	**Latitude:**	39° 59' 2.910 N
From:	Lat/Long	**Easting:**	2,462,998.31 usft	**Longitude:**	109° 50' 51.240 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.06 °

Well	Desert Springs State #412-36-9-18				
Well Position	**+N/-S** 2,374.84 usft	**Northing:**	607,976.73 usft	**Latitude:**	39° 59' 26.380 N
	+E/-W 3,051.64 usft	**Easting:**	2,466,005.55 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty	0.00 usft	**Wellhead Elevation:**		**Ground Level:**	4,912.00 usft

Wellbore	Original Hole			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	11/07/12	11.03	65.76	52,139

Design	Plan #1			
Audit Notes:				
Version:	**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	35.57

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	6.00	35.57	599.45	12.77	9.13	2.00	2.00	0.00	35.57	
3,500.00	6.00	35.57	3,483.57	259.33	185.46	0.00	0.00	0.00	0.00	
4,142.92	25.29	35.57	4,099.75	399.69	285.83	3.00	3.00	0.00	0.00	
5,342.28	25.29	35.57	5,184.18	816.41	583.85	0.00	0.00	0.00	0.00	
6,185.20	0.00	0.00	6,000.00	965.27	690.31	3.00	-3.00	0.00	180.00	
12,885.20	0.00	0.00	12,700.00	965.27	690.31	0.00	0.00	0.00	0.00	PBHL (DSS #412-36-

GASCO Energy

Planning Report

gyrodata
Precision Wellbore Placement

Database:	Gyrodata Single User DB	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Company:	Gasco Energy	**TVD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	**MD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	**North Reference:**	True
Well:	Desert Springs State #412-36-9-18	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00
13 3/8"									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	35.57	399.98	1.42	1.02	1.75	2.00	2.00	0.00
500.00	4.00	35.57	499.84	5.68	4.06	6.98	2.00	2.00	0.00
600.00	6.00	35.57	599.45	12.77	9.13	15.69	2.00	2.00	0.00
Start 2900.00 hold at 600.00 MD									
700.00	6.00	35.57	698.90	21.27	15.21	26.15	0.00	0.00	0.00
800.00	6.00	35.57	798.36	29.77	21.29	36.60	0.00	0.00	0.00
900.00	6.00	35.57	897.81	38.27	27.37	47.05	0.00	0.00	0.00
1,000.00	6.00	35.57	997.26	46.77	33.45	57.50	0.00	0.00	0.00
1,100.00	6.00	35.57	1,096.71	55.28	39.53	67.96	0.00	0.00	0.00
1,200.00	6.00	35.57	1,196.17	63.78	45.61	78.41	0.00	0.00	0.00
1,300.00	6.00	35.57	1,295.62	72.28	51.69	88.86	0.00	0.00	0.00
1,400.00	6.00	35.57	1,395.07	80.78	57.77	99.32	0.00	0.00	0.00
1,500.00	6.00	35.57	1,494.52	89.29	63.85	109.77	0.00	0.00	0.00
1,600.00	6.00	35.57	1,593.97	97.79	69.93	120.22	0.00	0.00	0.00
1,700.00	6.00	35.57	1,693.43	106.29	76.01	130.67	0.00	0.00	0.00
1,800.00	6.00	35.57	1,792.88	114.79	82.09	141.13	0.00	0.00	0.00
1,900.00	6.00	35.57	1,892.33	123.30	88.17	151.58	0.00	0.00	0.00
2,000.00	6.00	35.57	1,991.78	131.80	94.25	162.03	0.00	0.00	0.00
2,100.00	6.00	35.57	2,091.23	140.30	100.33	172.49	0.00	0.00	0.00
2,200.00	6.00	35.57	2,190.69	148.80	106.42	182.94	0.00	0.00	0.00
2,300.00	6.00	35.57	2,290.14	157.31	112.50	193.39	0.00	0.00	0.00
2,400.00	6.00	35.57	2,389.59	165.81	118.58	203.84	0.00	0.00	0.00
2,500.00	6.00	35.57	2,489.04	174.31	124.66	214.30	0.00	0.00	0.00
2,600.00	6.00	35.57	2,588.50	182.81	130.74	224.75	0.00	0.00	0.00
2,700.00	6.00	35.57	2,687.95	191.32	136.82	235.20	0.00	0.00	0.00
2,800.00	6.00	35.57	2,787.40	199.82	142.90	245.66	0.00	0.00	0.00
2,900.00	6.00	35.57	2,886.85	208.32	148.98	256.11	0.00	0.00	0.00
3,000.00	6.00	35.57	2,986.30	216.82	155.06	266.56	0.00	0.00	0.00
3,100.00	6.00	35.57	3,085.76	225.33	161.14	277.01	0.00	0.00	0.00
3,200.00	6.00	35.57	3,185.21	233.83	167.22	287.47	0.00	0.00	0.00
3,300.00	6.00	35.57	3,284.66	242.33	173.30	297.92	0.00	0.00	0.00
3,400.00	6.00	35.57	3,384.11	250.83	179.38	308.37	0.00	0.00	0.00
9 5/8"									
3,500.00	6.00	35.57	3,483.57	259.33	185.46	318.83	0.00	0.00	0.00
Start DLS 3.00 TFO 0.00									
3,600.00	9.00	35.57	3,582.70	269.95	193.05	331.88	3.00	3.00	0.00
3,700.00	12.00	35.57	3,681.01	284.77	203.65	350.10	3.00	3.00	0.00
3,800.00	15.00	35.57	3,778.24	303.76	217.23	373.44	3.00	3.00	0.00
3,900.00	18.00	35.57	3,874.11	326.86	233.75	401.84	3.00	3.00	0.00
4,000.00	21.00	35.57	3,968.36	354.01	253.16	435.22	3.00	3.00	0.00
4,100.00	24.00	35.57	4,060.74	385.13	275.42	473.48	3.00	3.00	0.00
4,142.91	25.29	35.57	4,099.74	399.68	285.83	491.37	3.00	3.00	0.00
Start 1199.38 hold at 4142.91 MD									
4,142.92	25.29	35.57	4,099.75	399.69	285.83	491.37	3.00	3.00	0.00

GASCO Energy

Planning Report

gyrodata
Precision Wellbore Placement

Database:	Gyrodata Single User DB	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Company:	Gasco Energy	**TVD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	**MD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	**North Reference:**	True
Well:	Desert Springs State #412-36-9-18	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,200.00	25.29	35.57	4,151.36	419.52	300.02	515.76	0.00	0.00	0.00
4,300.00	25.29	35.57	4,241.78	454.27	324.86	558.47	0.00	0.00	0.00
4,400.00	25.29	35.57	4,332.20	489.01	349.71	601.19	0.00	0.00	0.00
4,500.00	25.29	35.57	4,422.61	523.76	374.56	643.91	0.00	0.00	0.00
4,600.00	25.29	35.57	4,513.03	558.50	399.41	686.62	0.00	0.00	0.00
4,700.00	25.29	35.57	4,603.45	593.25	424.26	729.34	0.00	0.00	0.00
4,800.00	25.29	35.57	4,693.87	627.99	449.10	772.05	0.00	0.00	0.00
4,900.00	25.29	35.57	4,784.28	662.74	473.95	814.77	0.00	0.00	0.00
5,000.00	25.29	35.57	4,874.70	697.48	498.80	857.49	0.00	0.00	0.00
5,100.00	25.29	35.57	4,965.12	732.23	523.65	900.20	0.00	0.00	0.00
5,200.00	25.29	35.57	5,055.54	766.97	548.50	942.92	0.00	0.00	0.00
5,298.94	25.29	35.57	5,145.00	801.35	573.08	985.18	0.00	0.00	0.00
Wasatch									
5,300.00	25.29	35.57	5,145.95	801.72	573.34	985.63	0.00	0.00	0.00
5,342.29	25.29	35.57	5,184.19	816.41	583.85	1,003.70	0.00	0.00	0.00
Start Drop -3.00									
5,400.00	23.56	35.57	5,236.74	835.82	597.73	1,027.56	3.00	-3.00	0.00
5,500.00	20.56	35.57	5,329.41	866.36	619.57	1,065.10	3.00	-3.00	0.00
5,600.00	17.56	35.57	5,423.92	892.91	638.56	1,097.75	3.00	-3.00	0.00
5,700.00	14.56	35.57	5,520.01	915.41	654.65	1,125.40	3.00	-3.00	0.00
5,800.00	11.56	35.57	5,617.41	933.78	667.79	1,147.99	3.00	-3.00	0.00
5,900.00	8.56	35.57	5,715.86	947.98	677.94	1,165.45	3.00	-3.00	0.00
6,000.00	5.56	35.57	5,815.09	957.97	685.09	1,177.73	3.00	-3.00	0.00
6,100.00	2.56	35.57	5,914.83	963.72	689.20	1,184.81	3.00	-3.00	0.00
6,185.20	0.00	0.00	6,000.00	965.27	690.31	1,186.71	3.00	-3.00	-41.75
Start 6700.00 hold at 6185.20 MD									
6,200.00	0.00	0.00	6,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,300.00	0.00	0.00	6,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,400.00	0.00	0.00	6,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,500.00	0.00	0.00	6,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,600.00	0.00	0.00	6,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,700.00	0.00	0.00	6,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,800.00	0.00	0.00	6,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
6,900.00	0.00	0.00	6,714.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,000.00	0.00	0.00	6,814.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,100.00	0.00	0.00	6,914.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,200.00	0.00	0.00	7,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,300.00	0.00	0.00	7,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,400.00	0.00	0.00	7,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,500.00	0.00	0.00	7,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,600.00	0.00	0.00	7,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,700.00	0.00	0.00	7,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,800.00	0.00	0.00	7,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
7,900.00	0.00	0.00	7,714.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,000.00	0.00	0.00	7,814.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,100.00	0.00	0.00	7,914.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,200.00	0.00	0.00	8,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,300.00	0.00	0.00	8,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,400.00	0.00	0.00	8,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,500.00	0.00	0.00	8,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,600.00	0.00	0.00	8,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,700.00	0.00	0.00	8,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00

GASCO Energy

Planning Report

gyrodata
Precision Wellbore Placement

Database:	Gyrodata Single User DB	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Company:	Gasco Energy	**TVD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	**MD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	**North Reference:**	True
Well:	Desert Springs State #412-36-9-18	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,800.00	0.00	0.00	8,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
8,900.00	0.00	0.00	8,714.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,000.00	0.00	0.00	8,814.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,100.00	0.00	0.00	8,914.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,200.00	0.00	0.00	9,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,220.20	0.00	0.00	9,035.00	965.27	690.31	1,186.71	0.00	0.00	0.00
Mesaverde									
9,300.00	0.00	0.00	9,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,400.00	0.00	0.00	9,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,500.00	0.00	0.00	9,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,600.00	0.00	0.00	9,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,700.00	0.00	0.00	9,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,800.00	0.00	0.00	9,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
9,900.00	0.00	0.00	9,714.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,000.00	0.00	0.00	9,814.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,100.00	0.00	0.00	9,914.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,200.00	0.00	0.00	10,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,300.00	0.00	0.00	10,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,400.00	0.00	0.00	10,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,500.00	0.00	0.00	10,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,600.00	0.00	0.00	10,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,700.00	0.00	0.00	10,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,800.00	0.00	0.00	10,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
10,900.00	0.00	0.00	10,714.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,000.00	0.00	0.00	10,814.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,100.00	0.00	0.00	10,914.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,200.00	0.00	0.00	11,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,300.00	0.00	0.00	11,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,400.00	0.00	0.00	11,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,500.00	0.00	0.00	11,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,600.00	0.00	0.00	11,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,640.20	0.00	0.00	11,455.00	965.27	690.31	1,186.71	0.00	0.00	0.00
Castlegate									
11,700.00	0.00	0.00	11,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,800.00	0.00	0.00	11,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,900.00	0.00	0.00	11,714.80	965.27	690.31	1,186.71	0.00	0.00	0.00
11,920.20	0.00	0.00	11,735.00	965.27	690.31	1,186.71	0.00	0.00	0.00
Blackhawk									
12,000.00	0.00	0.00	11,814.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,100.00	0.00	0.00	11,914.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,200.00	0.00	0.00	12,014.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,300.00	0.00	0.00	12,114.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,400.00	0.00	0.00	12,214.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,500.00	0.00	0.00	12,314.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,550.20	0.00	0.00	12,365.00	965.27	690.31	1,186.71	0.00	0.00	0.00
Spring Canyon									
12,600.00	0.00	0.00	12,414.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,700.00	0.00	0.00	12,514.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,800.00	0.00	0.00	12,614.80	965.27	690.31	1,186.71	0.00	0.00	0.00
12,885.20	0.00	0.00	12,700.00	965.27	690.31	1,186.71	0.00	0.00	0.00
TD at 12885.20 - PBHL (DSS #412-36-9-18)									

GASCO Energy

Planning Report

gyrodata
Precision Wellbore Placement

Database:	Gyrodata Single User DB	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Company:	Gasco Energy	**TVD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	**MD Reference:**	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	**North Reference:**	True
Well:	Desert Springs State #412-36-9-18	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (DSS #412-36-9-1 - plan hits target center - Point	0.00	0.00	12,700.00	965.27	690.31	608,954.67	2,466,677.79	39° 59' 35.920 N	109° 50' 3.160 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
60.00	60.00	13 3/8"	13-3/8	17-1/2
3,400.00	3,384.11	9 5/8"	9-5/8	12-1/4
12,885.20	12,700.00	4 1/2"	4-1/2	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,298.94	5,145.00	Wasatch		0.00	
9,220.20	9,035.00	Mesaverde		0.00	
11,640.20	11,455.00	Castlegate		0.00	
11,920.20	11,735.00	Blackhawk		0.00	
12,550.20	12,365.00	Spring Canyon		0.00	
12,885.20	12,700.00	TD		0.00	

Plan Annotations

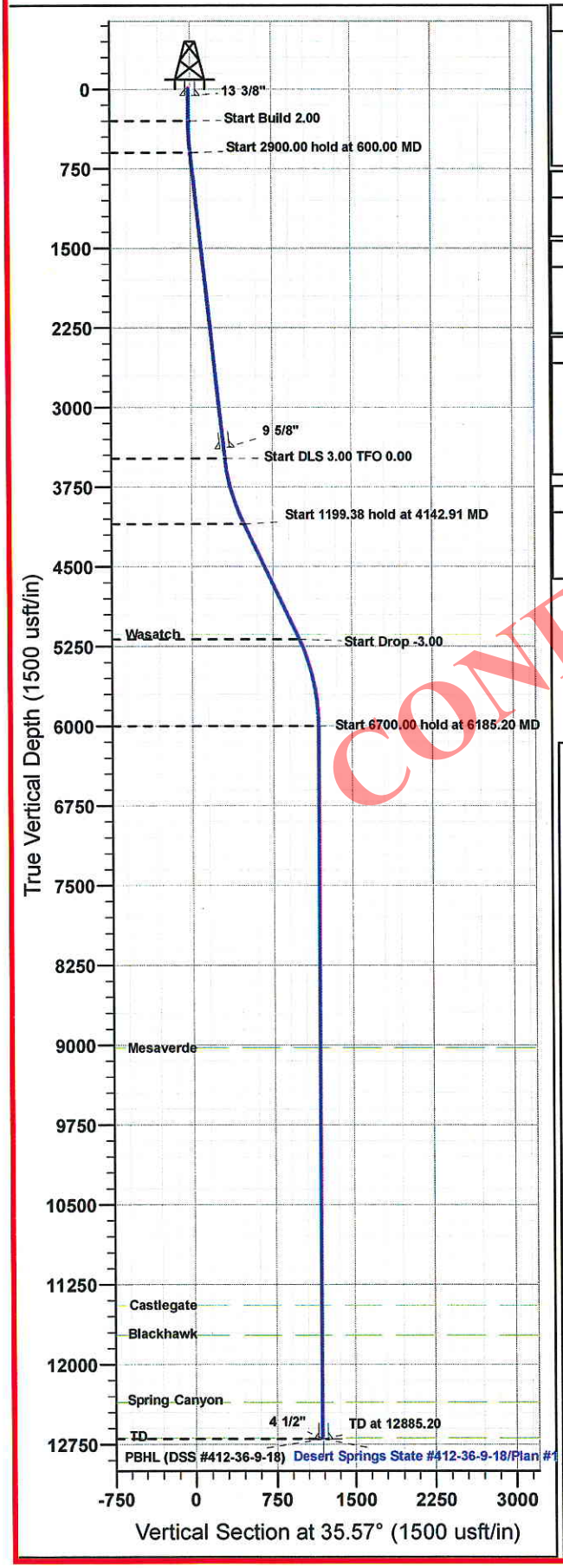
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
600.00	599.45	12.77	9.13	Start 2900.00 hold at 600.00 MD
3,500.00	3,483.57	259.33	185.46	Start DLS 3.00 TFO 0.00
4,142.91	4,099.74	399.68	285.83	Start 1199.38 hold at 4142.91 MD
5,342.29	5,184.19	816.41	583.85	Start Drop -3.00
6,185.20	6,000.00	965.27	690.31	Start 6700.00 hold at 6185.20 MD
12,885.20	12,700.00	965.27	690.31	TD at 12885.20

API Well Number: 43047533240000

GASCO Energy

Company: Gasco Energy
Field: Uintah County, UT
Location: Sec 36, T9S, R18E - Desert Springs
Well: Desert Springs State #412-36-9-18
Original Hole
Plan: Plan #1 (Desert Springs State #412-36-9-18/Original Hole)
Est RKB=15' @ 4927.00usft (Original Well Elev)

gyrodata
Precision Wellbore Placement



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	600.00	6.00	35.57	599.45	12.77	9.13	2.00	35.57	15.69	
4	3500.00	6.00	35.57	3483.57	259.33	185.46	0.00	0.00	318.83	
5	4142.91	25.29	35.57	4099.75	399.69	285.83	3.00	0.00	491.37	
6	5342.28	25.29	35.57	5184.18	816.41	583.85	0.00	0.00	1003.70	
7	6185.20	0.00	0.00	6000.00	965.27	690.31	3.00	180.00	1186.71	
8	12885.20	0.00	0.00	12700.00	965.27	690.31	0.00	0.00	1186.71	PBHL (DSS #412-36-9-18)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (DSS #412-36-9-18)	12700.00	965.27	690.31	608954.67	2466677.80	Point

WELL DETAILS: Desert Springs State #412-36-9-18

Ground Elev: 4912.00
Est RKB=15' @ 4927.00usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	607976.73	2466005.56	39° 59' 26.380 N	109° 50' 12.030 W	

ANNOTATIONS

TVD	MD	Annotation
300.00	300.00	Start Build 2.00
599.45	600.00	Start 2900.00 hold at 600.00 MD
3483.57	3500.00	Start DLS 3.00 TFO 0.00
4099.74	4142.91	Start 1199.38 hold at 4142.91 MD
5184.19	5342.29	Start Drop -3.00
6000.00	6185.20	Start 6700.00 hold at 6185.20 MD
12700.00	12885.20	TD at 12885.20

FORMATION TOPS ALONG WELLPATH

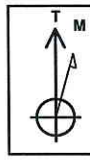
TVDPath	MDPath	Formation
5145.00	5298.94	Wasatch
9035.00	9220.20	Mesaverde
11455.00	11640.20	Castlegate
11735.00	11920.20	Blackhawk
12365.00	12550.20	Spring Canyon
12700.00	12885.20	TD

CASING DETAILS

TVD	MD	Name	Size
60.00	60.00	13 3/8"	13-3/8
3384.11	3400.00	9 5/8"	9-5/8
12700.00	12885.20	4 1/2"	4-1/2

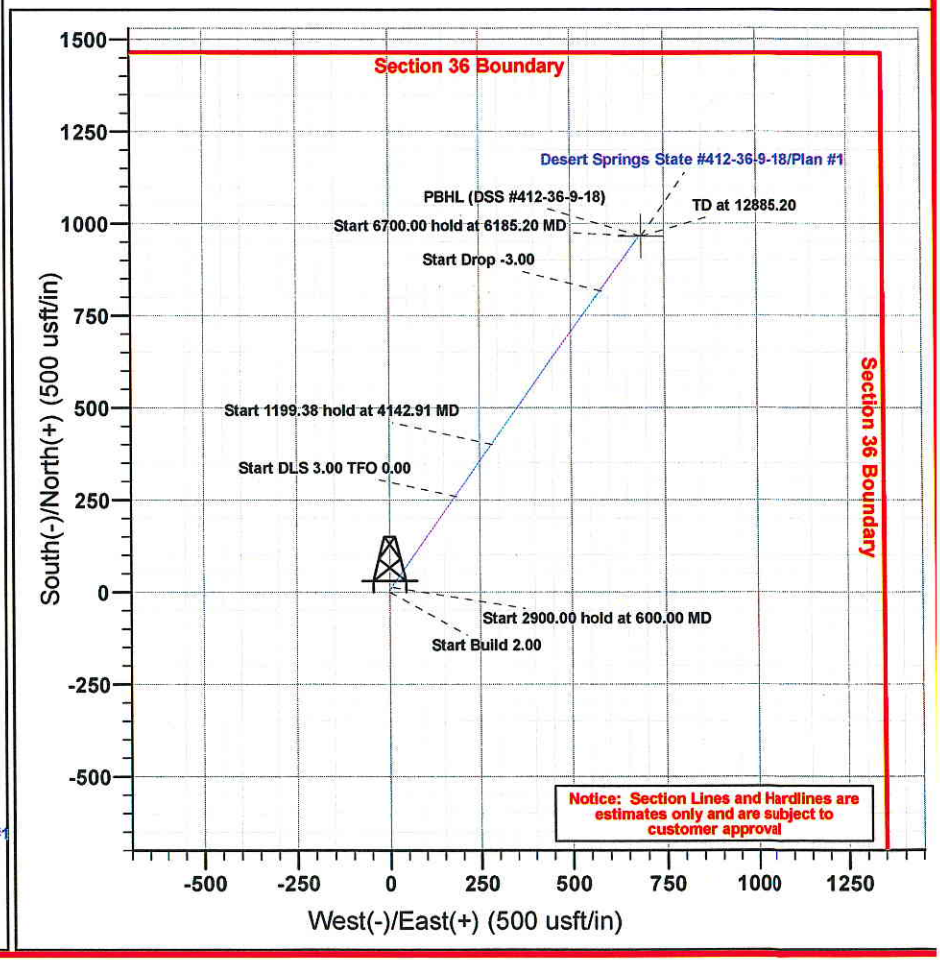
Plan: Plan #1 (Desert Springs State #412-36-9-18/Original Hole)

Created By: M. Routh Date: 8:20, November 09 2012



Azimuths to True North
Magnetic North: 11.03°

Magnetic Field
Strength: 52138.9snT
Dip Angle: 65.76°
Date: 11/07/2012
Model: IGRF2010



Gasco Production Company
Desert Springs State 412-36-9-18
NE/NE, Section 36, Township 9 South, Range 18 East
Uintah County, **Utah**
Lease No. ML-45171

ONSHORE OIL & GAS ORDER NO. 1

Notification Requirements

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	prior to moving on with drilling rig.
Spud Notice-	at least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing.
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Production Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted with at least one of the land management agency specialists and Gasco which may include the following individuals:

UDOGM Representative
SITLA Representative
Gasco Production Company
Uintah Engineer and Land Surveying

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from plats.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached Topographic Map "C"

4. Location of Tank Batteries and Production Facilities

a. All permanent surface equipment will be painted a Color approved by the land management agency.

b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank with in the contained area, unless more stringent requirements are necessary as notified by the AO.

c. A production layout will be submitted via sundry upon proven productivity of the well.

d. All loading lines will be placed inside the berm/dike surrounding the tank battery.

e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location.
Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the calibration reports will be submitted to the Vernal Field Office.

f. Any necessary pits will be properly fenced to prevent any wildlife entry.

g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.

h. Pipelines, up to 6" steel, will follow the proposed access for approximately 303', as detailed in attached Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline. This pipeline will service all the wells located on this pad.

5. Location and Type of Water

a. Water will come from: Water Right No. 41-3530.

b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

c. No water well will be drilled on this lease.

6. Source of Construction Material

a. Any gravel used will be obtained from a commercial source.

b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.

c. No construction materials will be used from Federal lands.

7. Methods of Handling Waste Disposal

a. the reserve pit will be double lined with at least 16 mil liners.

b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal sight as needed.

c. A chemical porta-toilet will be furnished through the drilling, and completion phases.

d. After first production, produced waste water will be confined to an unlined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval.

e. Drill cuttings are to be contained and buried in the reserve pit.

f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.

8. Ancillary Facilities

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

9. Well Site Layout

See attached Location Layout Diagram

10. Plans for Restoration of Surface

a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.

b. Upon completion, any hydrocarbon within the reserve pit will be removed in accordance with 43 CFR 3162.7-1.

c. The reserve pit will be backfilled and reclaimed within 120 days from the well completion. The reserve pit liner will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.

d. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil pile will be seeded with the same mixture and procedure as specified.

11. Surface Ownership

The proposed access road and well pad is on lands managed by the State of Utah.

12. Other Information

a. An archeological and Paleontological survey was conducted. They will be submitted under a separate cover.

b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.

c. COA's from onsite will be implemented/followed.

d. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.

e. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.

f. All lease and unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.

g. A complete copy of the APD shall be on location during construction and drilling of this site.

Water Disposal

Immediately upon first production all produced water will be confined to a steel storage tank. Water will be disposed of via truck transport to a State of Utah approved disposal site.

Wildlife Timing Stipulations COA's from onsite will be implemented/followed.

13. Lessee's or Operators Representative

Gasco Production Company
Roger Knight – EHS Supervisor
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237
(303) 996-1803 – office
(720) 810-3850 – cell

Jesse Duncan
PO Box 351
10569 Pariette Road
Myton, Utah 84052
(435)828-1221 - Cell
(435)636-3336 – office

Certification

Please be advised that *Gasco Production Company* is considered to be the operator of the ***Well*** *Desert Springs State 412-36-9-18 , NE/NE Section 36, T9S, R18E, Lease No. ML-45171, Uintah County, Utah:* and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond K08792707.

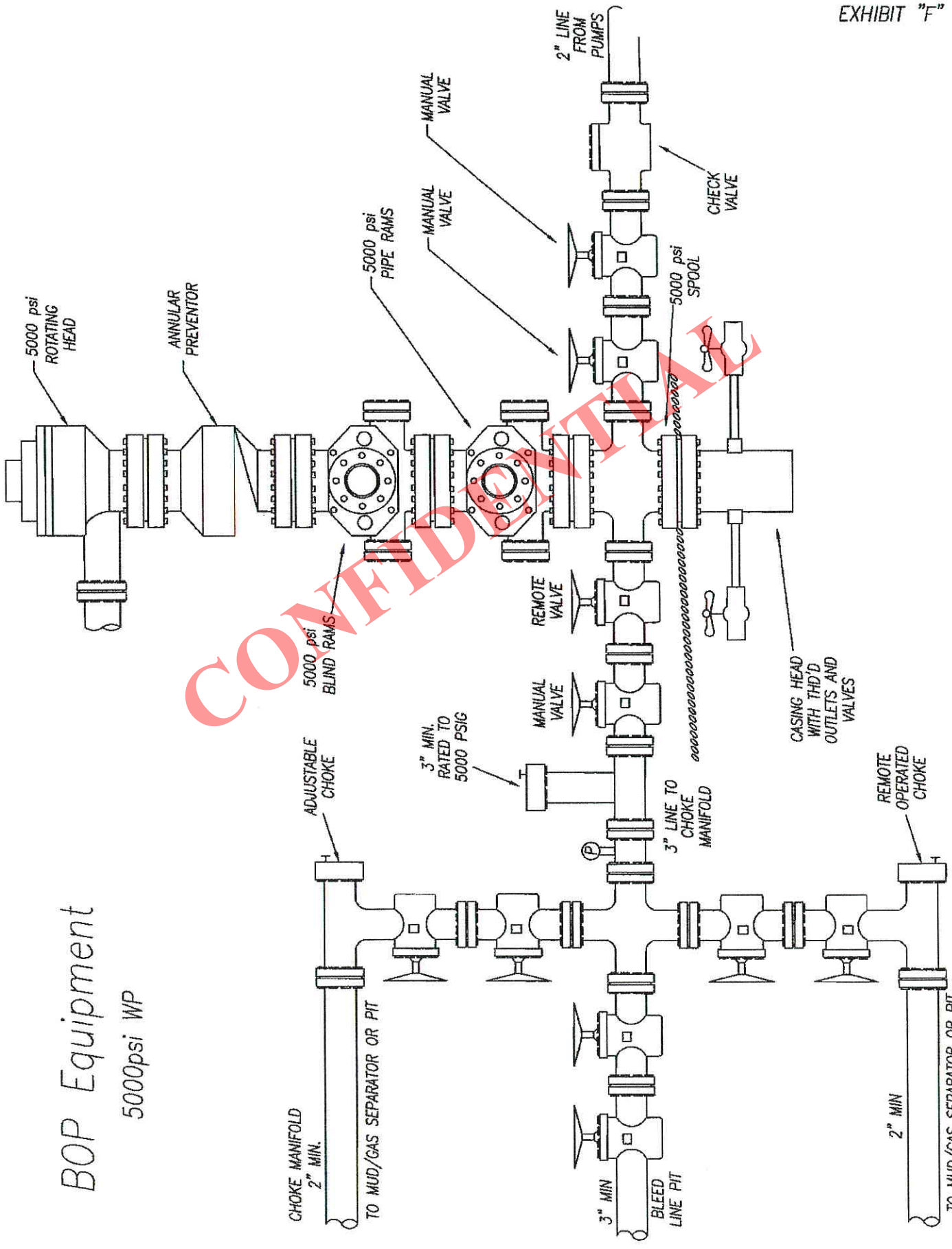
I herby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

2-20-13

Roger Knight
EHS Supervisor
Gasco Production Company

Date

EXHIBIT "F"



BOP Equipment

5000psi WP

November 19, 2012

Gasco Production Company
Desert Springs State 412-36-9-18
495' FNL & 660' FEL
NENE of Section 36-T9S-R18E
Uintah County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the well site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Signature

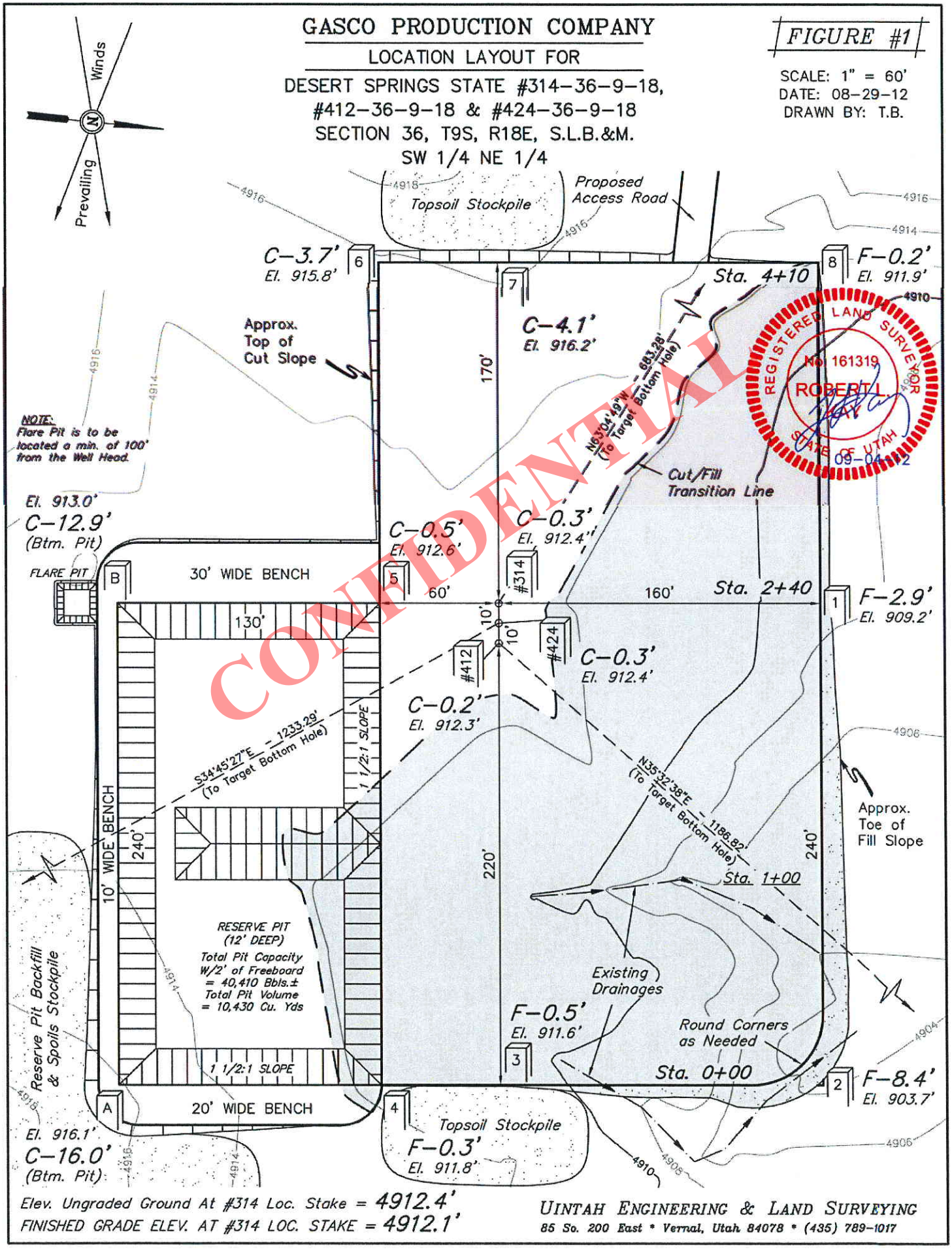
Senior Operations Manager
Title

7979 East Tufts Avenue, Suite 1150 Denver, CO 80237
Address

303-483-0044
Phone

trogers@gascoenergy.com
E-mail

API Well Number: 43047533240000



API Well Number: 43047533240000

GASCO PRODUCTION COMPANY

TYPICAL CROSS SECTIONS FOR

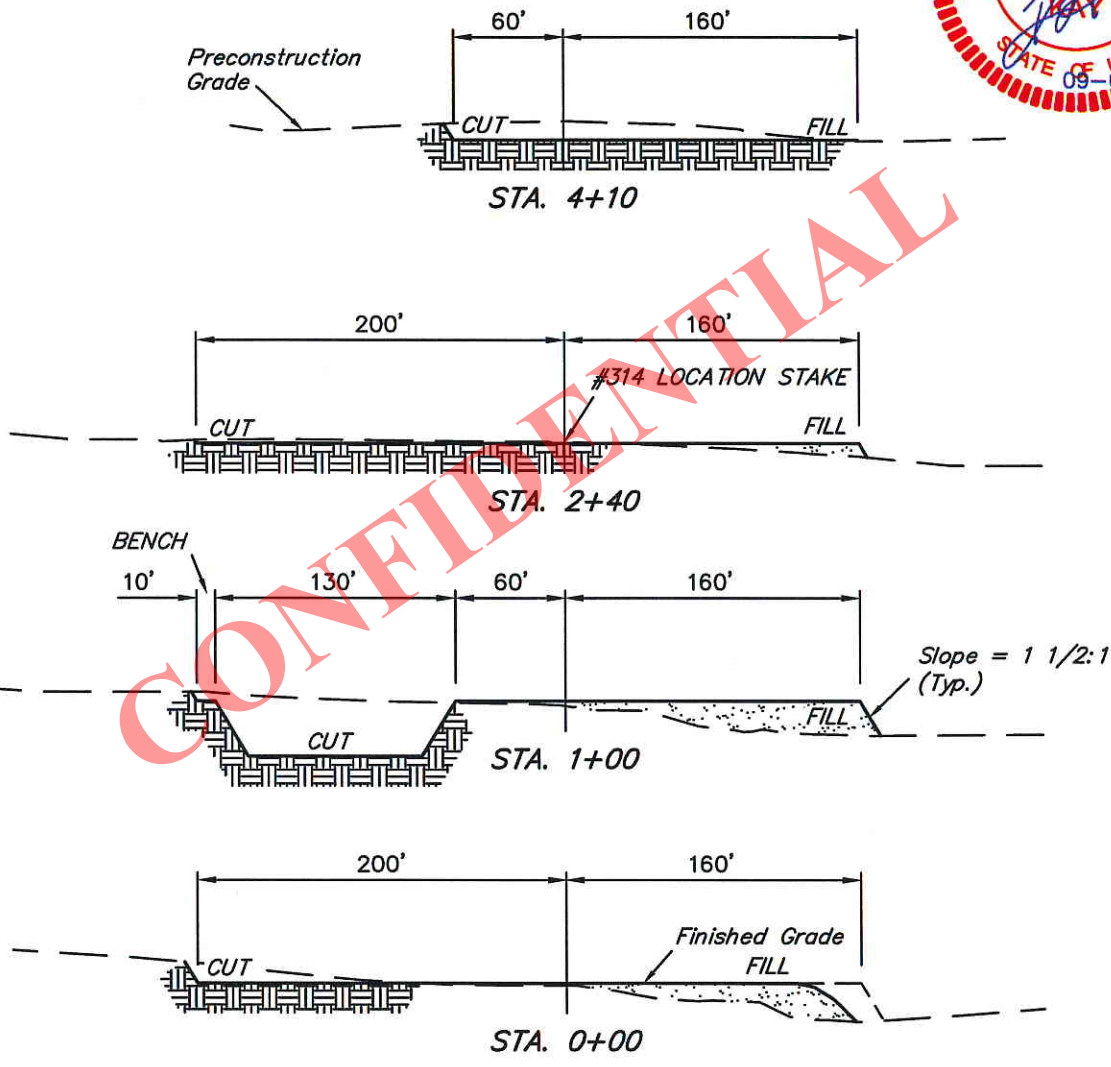
DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

FIGURE #2

1" = 40'
X-Section Scale
1" = 100'

DATE: 08-29-12
DRAWN BY: T.B.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
09-04-12



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.742 ACRES
ACCESS ROAD DISTURBANCE = ± 0.189 ACRES
PIPELINE DISTURBANCE = ± 0.209 ACRES
TOTAL = ± 4.140 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	2,550 Cu. Yds.
Remaining Location	=	12,210 Cu. Yds.
TOTAL CUT	=	14,760 CU. YDS.
FILL	=	6,990 CU. YDS.

EXCESS MATERIAL	=	7,770 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	7,770 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

API Well Number: 43047533240000

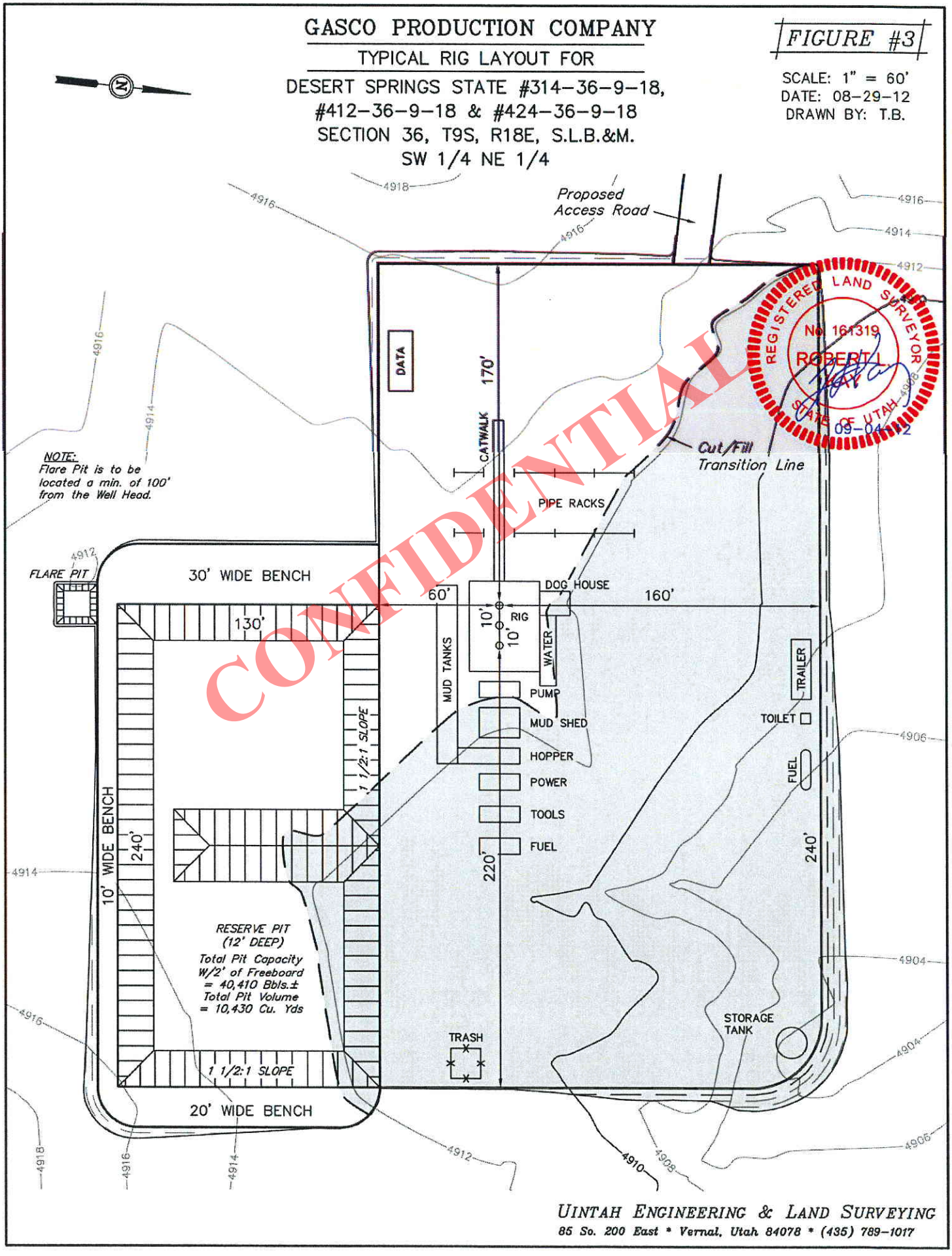
GASCO PRODUCTION COMPANY

TYPICAL RIG LAYOUT FOR

DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

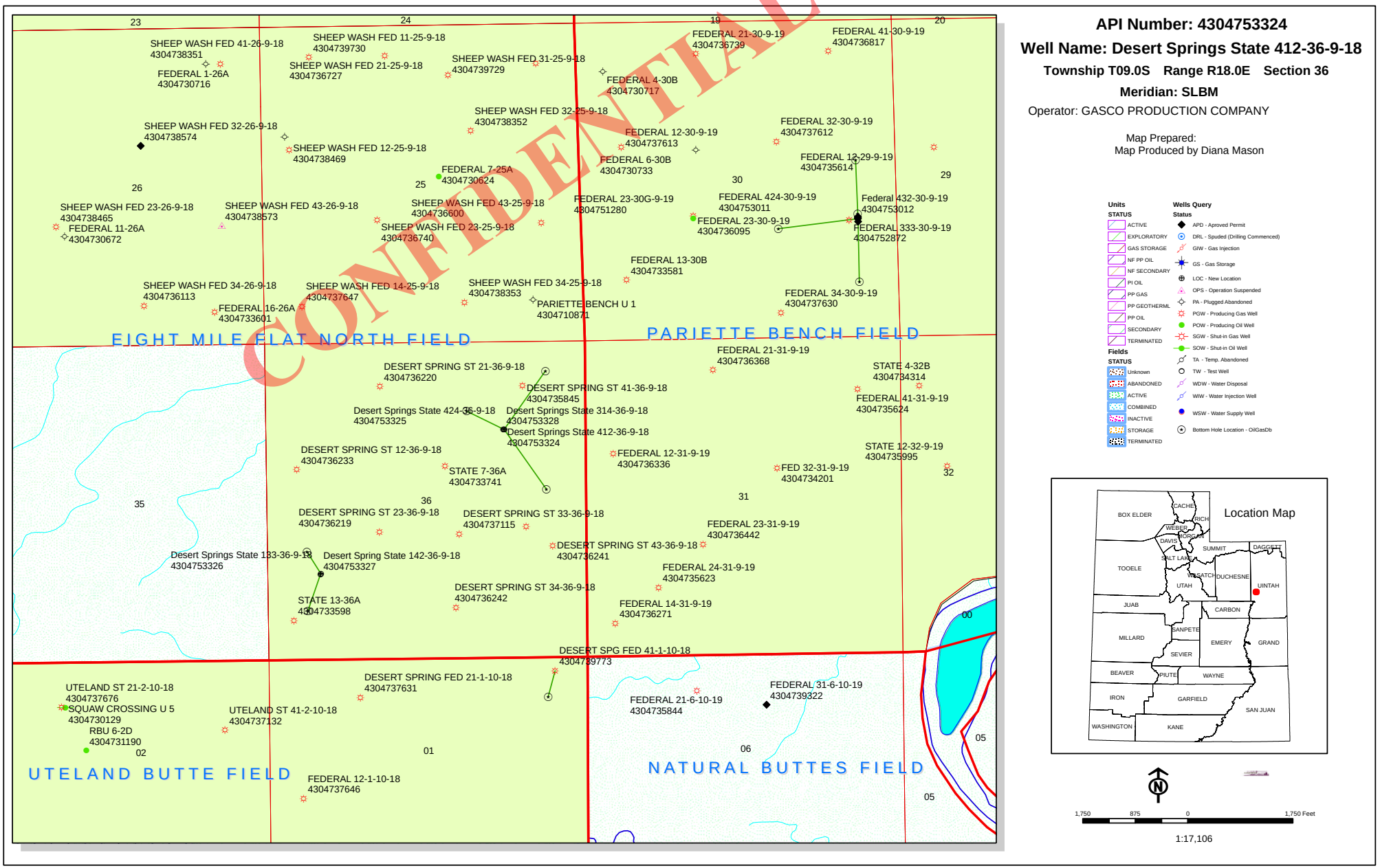
FIGURE #3

SCALE: 1" = 60'
DATE: 08-29-12
DRAWN BY: T.B.



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

API Well Number: 43047533240000



RECEIVED: November 21, 2012

GASCO Energy

December 5, 2012

State of Utah Division Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Exception Location Request
Desert Springs State 412-36-9-18
1462 FNL, 1352 FEL (surface) 495 FNL, 660 FEL (bottomhole)
Township 9 South, Range 18 East, SLM
Section 36: NE¼NE¼
Uintah County, Utah

To Whom It May Concern:

Pursuant to Rule 649-3-11 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") requests an exception to this location. The DSS 412-36-9-18 will be directionally drilled to minimize surface disturbance and impacts by using one surface location for multiple wells. Additionally Gasco is the owner of the oil and gas lease and the sole working interest owner within the 460' for the entire directional well bore.

Sincerely,

Roger Knight
EHS Supervisor

Gasco Production Company
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237

Tel: (303) 483-0044
Fax (303) 483-0011
Email: rknight@gascoenergy.com

API well Number : 43047533240000

Search Images Mail Drive Calendar Sites Groups Contacts Mobile More

dianawhitney@utah.gov

Mail

More

14 of 77

COMPOSE

Inbox (24)
Starred
Important
Sent Mail
Drafts (2)
BLM (54)
Cabinet
Electronic filing
Eng. Tech
Follow up
Misc
Priority
Tariq
More

ESPN.com - Mavericks owner says 'Bank of Cuban' is open - 8 hours ago

Web Clip

Gasco Approvals

Inbox x

Jeff Conley Jan 11 (4 days ago)

to me, Brad, rknight, Jim, Lavonne

Hello,

The following wells have been cleared for both arch and paleo by SITLA:

Gasco's Desert Springs State 424-36-9-18 [API #4304753325] (U-12-MQ-1039s)
Gasco's Desert Springs State 412-36-9-18 [API #4304753324] (U-12-MQ-1039s)
Gasco's Desert Springs State 314-36-9-18 [API #4304753328] (U-12-MQ-1039s)

Thank you,

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
801-538-5157
Reply Forward

Click here to Reply, Reply to all, or Forward

People (5)

Jeff Conley
TRUST LANDS RESOURCE SP...

Show details

API Well Number: 43047533240000

BOPE REVIEW GASCO PRODUCTION COMPANY Springs State 412-36-9-18 43047533240000

Well Name	GASCO PRODUCTION COMPANY Desert Springs State 412-36-9-18			
String	COND	SURF	PROD	
Casing Size(")	13.375	9.625	4.500	
Setting Depth (TVD)	60	3400	12700	
Previous Shoe Setting Depth (TVD)	0	60	3400	
Max Mud Weight (ppg)	8.3	8.3	11.6	
BOPE Proposed (psi)	0	1000	5000	
Casing Internal Yield (psi)	1000	3520	12410	
Operators Max Anticipated Pressure (psi)	7655		11.6	

Calculations	COND String	13.375	"	
Max BHP (psi)	.052*Setting Depth*MW=	26		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO	air/mist system
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO	
Required Casing/BOPE Test Pressure=		60	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	1467		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1059	NO	air/mist system
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	719	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	732	NO	OK
Required Casing/BOPE Test Pressure=		2464	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi	*Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	7661		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6137	NO	WBM
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4867	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5615	NO	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		3400	psi	*Assumes 1psi/ft frac gradient

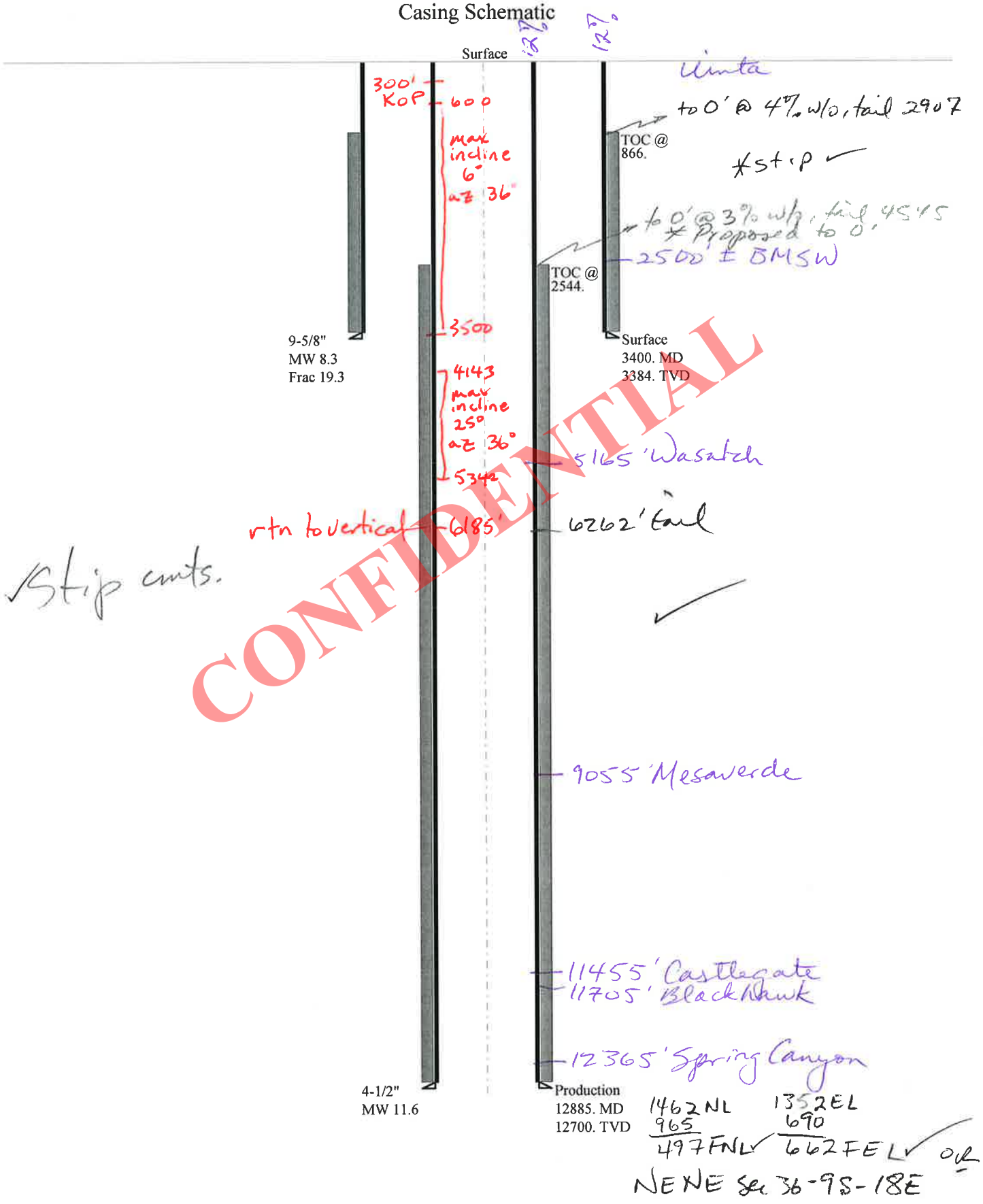
Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi	*Assumes 1psi/ft frac gradient

RECEIVED: February 20, 2013

API Well Number: 43047533240000

43047533240000 Desert Springs State 412-36-9-18

Casing Schematic



Stip cmts.

1462 NL 1352 EL
965 690
497 FNL 662 FEL or
NENE Sec 36-9S-18E

API Well Number: 43047533240000

Well name:	**43047533240000 Desert Springs State 412-36-9-18**
Operator:	**GASCO PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-047-53324
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,978 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,384 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,982 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 866 ft

Directional well information:
Kick-off point 300 ft
Departure at shoe: 308 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 6 °

Re subsequent strings:
Next setting depth: 12,700 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,653 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,384 ft
Injection pressure: 3,384 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3400	9.625	36.00	J-55	LT&C	3384	3400	8.796	27802

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1459	2020	1.384	3384	3520	1.04	106.9	453	4.24 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: February 14,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3384 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43047533240000

Well name:	**43047533240000 Desert Springs State 412-36-9-18**
Operator:	**GASCO PRODUCTION COMPANY**
String type:	Production
Project ID:	43-047-53324
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,859 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,653 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,711 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 252 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 2,544 ft

Directional Info - Build & Hold
Kick-off point 300 ft
Departure at shoe: 1187 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	12885	4.5	13.50	HCP-110	LT&C	12700	12885	3.795	72200

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7653	10680	1.396	7653	12410	1.62	171.4	338	1.97 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: February 14,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 12700 ft, a mud weight of 11.6 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator GASCO PRODUCTION COMPANY
Well Name Desert Springs State 412-36-9-18
API Number 43047533240000 **APD No** 7158 **Field/Unit** 8 MILE FLAT NORTH
Location: 1/4,1/4 SWNE **Sec** 36 **Tw** 9.0S **Rng** 18.0E 1462 FNL 1352 FEL
GPS Coord (UTM) 599253 4427364 **Surface Owner**

Participants

Sam LaRue (environmental consultant), McCoy Anderson (surveyor), Jesse Duncan (Gasco), Jeff Conley (SITLA)

Regional/Local Setting & Topography

This proposed well sits to the east of the Monarch Desert Springs water disposal ponds, and just over a mile west of the Green River. Myton, UT is approximately 25 miles to the north west. The proposed site slopes gently north away from a large draw which lies to the south of the location.

Surface Use Plan

Current Surface Use
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.05	**Width** 220 **Length** 410	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna
Prickly pear, grasses, small sage, spiny hopsage

Soil Type and Characteristics
clay loam soil with fractured shale scattered on surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

RECEIVED: March 12, 2013

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	TDS>5000 and	10
Drill Cuttings	Salt or Detrimental	10
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	55 1 Sensitivity Level

Characteristics / Requirements

The proposed reserve pit dimensions are 240ft x 13ft x 12ft deep. A 20 mil liner will be required because the pit will be used for 3 wells. The reserve pit is proposed in a cut stable location.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** Y

Other Observations / Comments

This is a 3 well pad occupied by 43-047-53324, 53328, and 53325

Richard Powell — **Evaluator**

12/5/2012 — **Date / Time**

RECEIVED: March 12, 2013

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7158	43047533240000	LOCKED	GW	S	No
Operator	GASCO PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	Desert Springs State 412-36-9-18		**Unit**		
Field	8 MILE FLAT NORTH		**Type of Work**	DRILL	
Location	SWNE 36 9S 18E S 1462 FNL 1352 FEL GPS Coord (UTM) 599283E 4427359N				

Geologic Statement of Basis

Gasco proposes to set 60' of conductor and 3,400' of surface casing at this location. Conductor and surface holes will be drilled with an air mist system and both will be cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect ground water in this area.

Brad Hill — **APD Evaluator**

12/18/2012 — **Date / Time**

Surface Statement of Basis

This proposed well is on SITLA surface with SITLA minerals. SITLA representative Jeff Conley was present for the onsite and stated that he has no concerns with this site. DWR representative Ben Williams was invited but unable to attend the onsite. Mr. Williams stated that this is year long pronghorn habitat but made no recommendations regarding this site. This is a flat stable location and appears to be a good site for placement of this well. A 20 mil liner was agreed to based on the fact that 3 wells will be drilled here and the pit will be subject to a longer use period than a single well pad. There do not appear to be any drainage diversions needed for this well site.

Richard Powell — **Onsite Evaluator**

12/5/2012 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: March 12, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/19/2012 **API NO. ASSIGNED:** 43047533240000

WELL NAME: Desert Springs State 412-36-9-18

OPERATOR: GASCO PRODUCTION COMPANY (N2575) **PHONE NUMBER:** 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: SWNE 36 090S 180E **Permit Tech Review:** ☑

SURFACE: 1462 FNL 1352 FEL **Engineering Review:** ☑

BOTTOM: 0495 FNL 0660 FEL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.99058 **LONGITUDE:** -109.83706

UTM SURF EASTINGS: 599283.00 **NORTHINGS:** 4427359.00

FIELD NAME: 8 MILE FLAT NORTH

LEASE TYPE: 3 - State

LEASE NUMBER: ML45171 **PROPOSED PRODUCING FORMATION(S):** MESA VERDE

SURFACE OWNER: 3 - State **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - K08792707
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 41-3530
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☑ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: R649-3-11

Effective Date:

Siting:

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:

1 - Exception Location - bhill
5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
15 - Directional - dmason
23 - Spacing - dmason
25 - Surface Casing - hmacdonald

RECEIVED: March 12, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill
****

Well Name: Desert Springs State 412-36-9-18
API Well Number: 43047533240000
Lease Number: ML45171
Surface Owner: STATE
Approval Date: 3/12/2013

Issued to:
GASCO PRODUCTION COMPANY, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:
Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon

as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to a minimum of 3000'.

Surface casing shall be cemented to the surface.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining,

including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/1/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco proposes the following changes to the approved casing program:
Surface Casing Hole size: 11.0" Csg size: 8.625" Length: 0-3400'
Weight: 32# Grade & thread: J-55 LT&C Max Mud Weight: 8.3
Production Casing Hole Size: 7.875" Csg Size: 4.5" Length: 0-12893'
Weight: 13.5# Grade & thread: HCP-110 LT&C Max Mud Weight: 11.6

Approved by the Utah Division of Oil, Gas and Mining

Date: December 11, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		11/26/2013

RECEIVED: Nov. 26, 2013

Well name:	**43047533240000 Desert Springs State 412-36-9-18**
Operator:	**GASCO PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-047-53324
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,978 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,384 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,981 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 270 ft @ 12% w/o
to surf @ 9% w/o, tail 2956'

Directional well information:
Kick-off point 300 ft
Departure at shoe: 308 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 6 °

Re subsequent strings:
Next setting depth: 12,708 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,658 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,384 ft
Injection pressure: 3,384 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3400	8.625	32.00	J-55	LT&C	3384	3400	7.875	27399

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1459	2530	1.734	3384	3930	1.16	94.9	417	4.39 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: December 10,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3384 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43047533240000 Desert Springs State 412-36-9-18**
Operator:	**GASCO PRODUCTION COMPANY**
String type:	Production
Project ID:	43-047-53324
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,862 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,658 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,717 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 252 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Directional well information:
Kick-off point 300 ft
Departure at shoe: 1187 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	12893	4.5	13.50	HCP-110	LT&C	12708	12893	3.795	72245

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7658	10680	1.395	7658	12410	1.62	171.6	338	1.97 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: December 10,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 12708 ft, a mud weight of 11.6 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 5/1/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the Utah Division of Oil, Gas and Mining

Date: March 13, 2014

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/13/2014

RECEIVED: Mar. 13, 2014

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047533240000

API: 43047533240000
Well Name: Desert Springs State 412-36-9-18
Location: 1462 FNL 1352 FEL QTR SWNE SEC 36 TWNP 090S RNG 180E MER S
Company Permit Issued to: GASCO PRODUCTION COMPANY
Date Original Permit Issued: 3/12/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Jessica Berg **Date:** 3/13/2014
Title: Regulatory Analyst **Representing:** GASCO PRODUCTION COMPANY

RECEIVED: Mar. 13, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/7/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco proposes the following change to the drilling fluids program- Conductor and surface csg are to be drilled with a mud and water system, not an air myst system as stated in the APD.

Approved by the Utah Division of Oil, Gas and Mining

Date: April 07, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		4/4/2014

RECEIVED: Apr. 04, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 4/14/2014	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drilled 60'and set conductor.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 15, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey J. Cooke	303 996-1834	Production Tech
SIGNATURE		**DATE**
N/A		4/15/2014

RECEIVED: Apr. 15, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

SUNDRY NOTICES AND REPORTS ON WELLS

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Gas Well

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303 996-1805 Ext

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8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 7/11/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	✓ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	✓ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco notified Dave Hackford at UDOGM of decision to plug back well on 7/10/14 at 9:30PM. Plug back took place 7/11/14. Plug #1 was set from 5733'-5133' with 195 sx of Class G Cement. Plug #2 was set from 3802' - 3502' with 128 sx of Class G Cement. Cement was tagged for a PBTD of 3508'. Gasco kicked off and is drilling around the old wellbore. See attached drilling report for additional details.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 14, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		7/14/2014

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
20	Desert Spring State 412-36-9-18			8 Mile Flat North		8 Jul 2014
MD	**TVD**	**Progress**	**Planned TD**	**Daily Cost**	**Cumulative Cost**	**AFE DHC / AFE CWC**
10,152'	9,976'	0'	12,698'	$41,308	$1,584,632	$ 1,275,900 / $ 2,802,700
County	**API**	**State**	**Rig**	**Drilling Supervisor**		**AFE Days (CWC)**
UINTAH	43-047-53324	UT	SST RIG 54	JERRY BARNES		18 Days
Present Operation						**AFE No.**
TRIP IN HOLE WITH FISHING TOOLS						14004

Time Log From	Time Log To	Hrs.	OPERATIONS DESCRIPTION
6:00	10:00	4	FINISH TRIP OUT / LAY DOWN MWD, BIT, AND MUD MOTOR
10:00			PICK UP NEW BIT, MUD MOTOR, & MWD / SCRIBE & TEST MOTOR / TRIP IN TO 2922' CHANGING OUT DRILL PIPE THAT HAVE WORN
	13:30	3.5	SMOOTH HARD BANDS (7 JOINTS DRILL PIPE)
13:30	14:30	1	SLIP AND CUT 77' DRILLING LINE / BREAK CIRCULATION & RECALIBRATE WEIGHT INDICATOR
14:30			TRIP IN HOLE CHANGING OUT DRILL PIPE THAT HAVE WORN SMOOTH HARD BANDS (10 JOINTS DRILL PIPE) / HOLE BRIDGED @
	18:30	4	5,662' - WASH FROM 5,663' TO 5,747' / DRILL STRING PLUGGED - NOT ABLE TO CIRCULATE
18:30	22:00	3.5	TRIP OUT OF HOLE - FOUND MUD MOTOR HAD PARTED LEAVING BIT & 1/2 THE MOTOR IN THE HOLE
22:00	3:00	5	WAIT ON FISHING TOOLS
3:00	6:00	3	PJSM WITH SLAUGH FISHING / PICK UP TOOLS & TRIP IN HOLE
			BOP DRILLS CONDUCTED BY EACH CREW EACH TOUR

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TD	12,698'		

TOTAL HOURS: 24

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.4	33	3	5	3	6	7.7		5.0%	95%	7.1	0/95	TR
CAKE	**PH**	**PM**	**PF**	**MF**	**CL**	**HARDNESS**	**ECD**	**LCM**	**Daily Mud Cost**		**Cumulative**	
1-32	7.7		00	.01	2,400	20		1.5%	$3,419		$94,800	

BIT REROART

BIT #	SIZE	MFG	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	7,373'	10,152'	2,779'	102.0	20/24	45/78	27.5 FPH
4	7 7/8"	SECURITY	MM65D	12413378	6-16	10,152'						

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
3	2	3	CT	S	X	I	PN	TQ

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE
1	BOMCO	1600	5 1/2						6 1/2"	4 1/2"	7 7/8"
2	BOMCO	1600	5 1/2								
			TOTAL	0	0						

BHA TOTAL LENGTH	BHA DESCRIPTION
933.31'	BIT=1.00 / 7:8 3.3,.14 RPG, 1.5° MM=28.85 / NMPC=9.79 / HOS=1.71 / NMDC=29.32 / GAP SUB=4.29 / NMPC=9.95 / NMDC=30.87 / HWDP=817.53
947.09	OVER-SHOT / CIRC SUB / BUMPER SUB / JARS / 30 HWDP / INTENSIFIER

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	
FUEL USED	656	GALS

TOTAL DRILL GAS		TOUR CHECK			DEVIATION RECORD			KILL RATE @ 9,869'	
GAS	UNITS	DEPTH		Ft.	DEPTH	INC	AZ	PUMP 1	PUMP 2
BGG	N/A	PICK UP	N/A	K	FISHING			SPM/PSI	SPM/PSI
PEAK GAS	1,392	SLACK OFF	N/A	K				40/245	40/250
CG	N/A	ROTATING	N/A	K				60/465	60/470
TG	N/A	TORQUE	N/A	K				CO-MAN PHONE NO.	
FLARE SCF's	0							435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
21	Desert Spring State 412-36-9-18			8 Mile Flat North		9 Jul 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
10,152'	9,976'	0'	12,698'	$49,035	$1,633,667	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	JERRY BARNES		18 Days
Present Operation						AFE No.
TRIP OUT OF HOLE WITH OVERSHOT						14004

Time Log From	To	Hrs.	OPERATIONS DESCRIPTION
6:00	10:00	4	TRIP IN HOLE OVERSHOT - WASH & REAM FROM 4,746' TO TOP OF FISH @ 5,740'
10:00	11:00	1	WORK OVERSHOT ON FISH
11:00	16:00	7	TRIP OUT OF HOLE WITH OVERSHOT - NO RECOVERY - SKIRT ON OVERSHOT SHOW SIGNS OF BEING ON FISH
16:00			REDRESS OVERSHOT WITH NEW SKIRT & GRAPPLE / TRIP IN HOLE WITH 1 STAND DRILL PIPE BETWEEN OVERSHOT & HWDP /
	23:30	7.5	WASH & REAM FROM 4,830' TO TOP OF FISH @ 5,740'
23:30	0:00	0.5	WORK OVERSHOT ON FISH
0:00	6:00	6	TRIP OUT OF HOLE WITH OVERSHOT - HOLE TIGHT @ 5,618' TO 5,628' -JAR FROM 5,618' TO 5,624 INDICATING POSSIBLY DRAGGING
			FISH UP HOLE - NO RECOVERY -SKIRT ON OVERSHOT SHOWS SIGNS OF BEING OVER FISH
			BOP DRILLS CONDUCTED BY EACH CREW EACH TOUR

		PROGNOSIS	ACTUAL	TVD ACTUAL	
	WASATCH	5,329'	5,344'	5,209'	
	MASAVERDE	9,168'	9,153'	8,978'	
	CASTLEGATE	11,668'			
	BLACKHAWK	11,928'			
	SPRING CANYON	12,598'			
TOTAL HOURS: 26	TD	12,698'			

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.6	33	3	4	2	4	8.6		6.0%	94%	6.6	0/94	TR%

CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost	Cumulative
2-32	7.5		00	00	2,300	15		1.0%	$3,738	$98,538

BIT REPORT

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	7,373'	10,152'	2,779'	102.0	20/24	45/78	27.5 FPH
4	7 7/8"	SECURITY	MM65D	12413378	6-16	10,152'						

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE
1	BOMCO	1600	5 1/2						6 1/2"	4 1/2"	7 7/8"
2	BOMCO	1600	5 1/2								
			TOTAL	0	0						

BHA TOTAL LENGTH		BHA DESCRIPTION
1st RUN	947.09	OVER-SHOT / CIRC SUB / BUMPER SUB / JARS / 30 HWDP / INTENSIFIER
2nd RUN	1028.88	OVER-SHOT / 3 JOINTS DRILL PIPE / CIRC SUB / BUMPER SUB / JARS / 30 HWDP

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	
FUEL USED	820	GALS

TOTAL DRILL GAS	UNITS
BGG	450
PEAK GAS	517
CG	N/A
TG	517
FLARE SCF's	0

TOUR CHECK		
DEPTH		Ft.
PICK UP	N/A	K
SLACK OFF	N/A	K
ROTATING	N/A	K
TORQUE	N/A	K

DEVIATION RECORD DEPTH	INC	AZ
FISHING		

KILL RATE @ 9,869' PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/245	40/250
60/465	60/470
CO-MAN PHONE NO.	
435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
22	Desert Spring State 412-36-9-18			8 Mile Flat North		10 Jul 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
10,152'	9,976'	0'	12,698'	$44,911	$1,678,578	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	JERRY BARNES		18 Days
Present Operation						AFE No.
TRIP OUT OF HOLE WITH OVERSHOT						14004

Time Log From	To	Hrs.	OPERATIONS DESCRIPTION
6:00	7:30	1.5	BREAK DOWN TOOLS & WAIT ON ORDERS
7:30	8:00	0.5	RIG SERVICE
8:00	11:00	3	PICK UP TAPER TAP AND TRIP IN HOLE
11:00	14:00	3	CIRCULATE BOTTOMS UP AND WORK TAPER TAP ON FISH
14:00	19:00	5	TRIP OUT OF HOLE WITH TAPER TAP - NO RECOVERY- MARKS DOWN ONE SIDE OF TAP INDICATES BEING DOWN BESIDE FISH
19:00			UNLOAD WALL HOOK / PICK UP JOINT OF DRILL PIPE - MAKE UP OVERSHOT AND BEND PIPE TO MATCH WALL HOOK / TRIP IN HOLE
	0:00	5	WITH OVERSHOT ON BENT JOINT WITH WALL HOOK
0:00	2:00	2	WORK OVERSHOT ON FISH / HOOK FISH AND CHASE 10' DOWN HOLE
2:00	6:00	4	TRIP OUT OF HOLE WITH OVERSHOT
			BOP DRILLS CONDUCTED BY EACH CREW EACH TOUR

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TOTAL HOURS: 24	TD 12,698'		

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.6	35	3	5	3	5	9.2		6.0%	94%	6.3	0/94	0%
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost		Cumulative	
1-32	8.0		00	00	2,400	20		0.3%	$1,402		$99,940	

BIT REPORT

BIT #	SIZE	MFG	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	7,373'	10,152'	2,779'	102.0	20/24	45/78	27.5 FPH
4	7 7/8"	SECURITY	MM65D	12413378	6-16	10,152'						

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2						6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2									
			TOTAL	0	0							

BHA TOTAL LENGTH		BHA DESCRIPTION
3rd RUN	1031.66	TAPER TAP / XO SUB / CIRC SUB / 3 JOINTS DRILL PIPE / BUMPER SUB / JARS / 30 HWDP
4th RUN	1157.95	OVER-SHOT / CIRC SUB / 7 JOINTS DRILL PIPE / BUMPER SUB / JARS / 30 HWDP

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	
FUEL USED	656	GALS

TOTAL DRILL GAS	UNITS
BGG	100
PEAK GAS	325
CG	N/A
TG	325
FLARE SCF's	0

TOUR CHECK		
PICK UP	N/A	K
SLACK OFF	N/A	K
ROTATING	N/A	K
TORQUE	N/A	K

DEVIATION RECORD DEPTH	INC	AZ
FISHING		

KILL RATE @ 9,869' PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/245	40/250
60/465	60/470
CO-MAN PHONE NO.	
435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date	
23	Desert Spring State 412-36-9-18			8 Mile Flat North		10 Jul 2014	
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC	AFE CWC
10,152'	9,976'	0'	12,698'	$44,911	$1,678,578	$ 1,275,900	$ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)	
UINTAH	43-047-53324	UT	SST RIG 54	JERRY BARNES		18 Days	
Present Operation						AFE No.	
TRIP OUT OF HOLE WITH OVERSHOT						14004	

Time Log From	Time Log To	Hrs.	OPERATIONS DESCRIPTION
6:00	7:30	1.5	BREAK DOWN TOOLS & WAIT ON ORDERS
7:30	8:00	0.5	RIG SERVICE
8:00	11:00	3	PICK UP TAPER TAP AND TRIP IN HOLE
11:00	14:00	3	CIRCULATE BOTTOMS UP AND WORK TAPER TAP ON FISH
14:00	19:00	5	TRIP OUT OF HOLE WITH TAPER TAP - NO RECOVERY- MARKS DOWN ONE SIDE OF TAP INDICATES BEING DOWN BESIDE FISH
19:00			UNLOAD WALL HOOK / PICK UP JOINT OF DRILL PIPE - MAKE UP OVERSHOT AND BEND PIPE TO MATCH WALL HOOK / TRIP IN HOLE
	0:00	5	WITH OVERSHOT ON BENT JOINT WITH WALL HOOK
0:00	2:00	2	WORK OVERSHOT ON FISH / HOOK FISH AND CHASE 10' DOWN HOLE
2:00	6:00	4	TRIP OUT OF HOLE WITH OVERSHOT
			BOP DRILLS CONDUCTED BY EACH CREW EACH TOUR

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TOTAL HOURS: 24	TD 12,698'		

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.6	35	3	5	3	5	9.2		6.0%	94%	6.3	0/94	0%

CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost	Cumulative
1-32	8.0		00	00	2,400	20		0.3%	$1,402	$99,940

BIT REPORT

BIT #	SIZE	MFG	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	7,373'	10,152'	2,779'	102.0	20/24	45/78	27.5 FPH
4	7 7/8"	SECURITY	MM65D	12413378	6-16	10,152'						LEFT IN HOLE

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
4								LEFT IN HOLE

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2						6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2									
			TOTAL	0	0							

BHA TOTAL LENGTH		BHA DESCRIPTION
3rd RUN	1031.66	TAPER TAP / XO SUB / CIRC SUB / 3 JOINTS DRILL PIPE / BUMPER SUB / JARS / 30 HWDP
4th RUN	1157.95	OVER-SHOT / CIRC SUB / 7 JOINTS DRILL PIPE / BUMPER SUB / JARS / 30 HWDP

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL	TOTAL DRILL GAS	UNITS
8 5/8	3,000'	3006 GL	PEAK GAS	325
4 1/2	12,698'		CG	N/A
			TG	325
FUEL USED	656	GALS	FLARE SCF's	0

TOUR CHECK			DEVIATION RECORD DEPTH	INC	AZ
PICK UP	N/A	K	FISHING		
SLACK OFF	N/A	K			
ROTATING	N/A	K			
TORQUE	N/A	K			

KILL RATE @ 9,869' PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/245	40/250
60/465	60/470
CO-MAN PHONE NO.	
435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
24	Desert Spring State 412-36-9-18			8 Mile Flat North		11 Jul 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
10,152'	9,976'	0'	12,698'	$110,100	$1,790,731	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	JERRY BARNES		18 Days
Present Operation						AFE No.
TRIPPING IN HOLE TO SIDE TRACK AFTER PLUG BACK						14004

Time Log From	To	Hrs.	OPERATIONS DESCRIPTION
6:00	9:00	3	TRIP OUT OF HOLE WITH OVERSHOT / NO RECOVERY / BREAK DOWN TOOLS AND LOAD OUT
9:00	13:00	4	WAIT ON TOOLS TO RUN TUBING
13:00	15:30	2.5	PJSM, RIG UP FRANKS TUBING TONGS AND PICK UP TUBING / RIG DOWN TONGS
15:30	17:30	2	TRIP IN TUBING WITH DRILL PIPE TO SET PLUG BACK # 1 @ 5,733'
17:30	19:00	1.5	CIRCULATE HOLE FOR CEMENT
19:00			PJSM, RIG UP BAKER HUGHES CEMENTERS / PUMP PLUG # 1 - 5,733' TO 5,133' / 195 SX OF CLASS G CEMENT WITH 0.2% R-3, .002 GPS
			FP-6L / MIXED CEMENT AT 15.8 PPG WITH YIELD OF 1.15 CF/SX / DISPLACED WITH 1 BBL WATER & 65 BBL 9.6# MUD FOR A
	20:00	1	BALANCED PLUG
20:00	22:00	2	TRIP OUT 12 STANDS DRILL PIPE / CIRCULATED BOTTOMS UP / TRIP OUT TO 3,802' / CIRCULATE TO EVEN OUT MUD WEIGHT
22:00			PJSM, PUMP PLUG # 2 - 3,802' TO 3,502' / 128 SX OF CLASS G CEMENT WITH 0.2% CD-32, 0.3% FL-63, 0.1% R-3, AND .002 GPS FP-6L /
			MIXED CEMENT AT 17.0 PPG WITH YIELD OF 0.99 CF/SX / DISPLACED WITH 1 BBL WATER AND 41 BBL 9.6# MUD FOR A
	23:00	1	BALANCED PLUG
23:00	1:00	2	TRIP OUT 9 STANDS DRILL PIPE / CIRCULATE BOTTOMS UP / TRIP OUT OF HOLE TO THE 2 7/8" TUBING
1:00	2:00	1	SLIP & CUT 92' DRILLING LINE
2:00	4:00	2	PJSM, RIG UP FRANKS TUBING TONGS AND LAY DOWN TUBING / RIG DOWN TUBING TONGS
4:00	4:30	0.5	INSTALL WEAR BUSHING
4:30	6:00	1.5	PICK UP BIT, MUD MOTOR, & MWD / SCRIBE & TEST MOTOR / TRIP IN HOLE TO SURFACE CASING SHOE
			NOTE: JERRY BARNES CALLED DAVE HACKFORD WITH UTAH DIVISION OF OIL GAS & MINING FOR APPROVAL AND NOTICE OF
			PLUG BACK AND KICK OFF ON 7/10/2014 AT 09:30.

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TOTAL HOURS: 24	TD 12,698'		

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.4	32	2	3	2	4	10.2		4.0%	96%	6.1	0/96	TR
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost		Cumulative	
1-32	9.0	0.01	.04	00	2,600	50		0.1%	$802		$100,742	

BIT REPORT

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	7,373'	10,152'	2,779'	102.0	20/24	45/78	27.5 FPH
4	7 7/8"	SECURITY	MM65D	12413378	6-16	10,152'						LEFT IN HOLE
5	7 7/8"	SECURITY	MM65M	12367694	6-16							

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE
1	BOMCO	1600	5 1/2						6 1/2"	4 1/2"	7 7/8"
2	BOMCO	1600	5 1/2								
			TOTAL	0	0						

BHA TOTAL LENGTH	BHA DESCRIPTION
1023.35	BIT=1.00 / 7:8 6.4,.29 RPG, 1.5° MM=28.86 / NMPC=9.79 / HOS=1.71 / NMDC=29.32 / GAP SUB=4.29 / NMPC=9.95 / NMDC=30.87 / HWDP=907.56

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	
FUEL USED	656	GALS

TOTAL DRILL GAS	GAS	UNITS
BGG	100	
PEAK GAS	141	
CG	N/A	
TG	141	
FLARE SCF's	0	

TOUR CHECK		
PICK UP	N/A	K
SLACK OFF	N/A	K
ROTATING	N/A	K
TORQUE	N/A	K

DEVIATION RECORD DEPTH	INC	AZ

KILL RATE @ PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
CO-MAN PHONE NO.	
435-828-0601	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 7/3/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	✓ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	✓ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco notified UDOGM of decision to plug back well on 6/18/14 at 9:45AM Plug back took place 7/2/14. Plug #1 was set from 9308'-9078' with 68 sx of Class G cement. Plug #2 was set from 7697'-7324'with 128 sx of Class G cement. Cement was tagged for a PBTD of 7373'. Gasco kicked off and is drilling around old wellbore. See attached drilling reports for additional details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 07, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		7/12/2014

RECEIVED: Jul. 12, 2014

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
9	Desert Spring State 412-36-9-18			8 Mile Flat North		27 Jun 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
9,456'	9,280'	116'	12,698'	$49,214	$872,798	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	SCOTT ALLRED		18 Days
Present Operation						AFE No.
STRAP FISHING TOOLS						14004

Time Log From	To	Hrs.	
6:00	11:30	5.5	DRILL AND SLIDE 9340' TO 9456 ' 116' 21.0 FPH
11:30	12:30	1	TROUBLE SHOOT PRESSURE LOSS, ALL SURFACE EQUIPMENT NO PROBLEMS,
12:30	13:30	1	PUMP SWEEP AND MIX PILL, CHECK FOR FLOW
13:30	23:00	9.5	TRIP OUT OF THE HOLE ROTATE AND PUMP ALL THE WAY OUT,FOR POSIBLE MOTOR FAILURE @ 4980' WE NO LONGER HAD TO
			ROTATE TO PULL PIPE, AT THATPOINT MUST BE WHERE THE GAP SUB PARTED, LEAVING 62.92' OF FISH IN THE HOLE.
			THE FISH= BIT 1.00/MUD MOTOR 26.57/ UBHO 3.05/ NMDC 30.82/GAP SUB 1.48/MWD TOOLS
23:00	5:00	6	WAIT ON FISHING TOOLS
5:00	6:00	1	UNLOAD AND STRAP TOOLS
			THE FISH= BIT 1.00/MUD MOTOR 26.57/ UBHO 3.05/ NMDC 30.82/GAP SUB 1.48/MWD TOOLS

	PROGNOSIS	ACTUAL	TVD ACTUAL	
WASATCH	5,329'	5,344'	5,209'	
MASAVERDE	9,168'	9,153'	8,978'	
CASTLEGATE	11,668'			
BLACKHAWK	11,928'			
SPRING CANYOI	12,598'			
TOTAL HOURS: 24	TD 12,698'			

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
8.9	32	3	4	4	6	10.0		2.0%	98%	6.25		TR
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost		Cumulative	
1-32	8.0	.01	.00	.10	1,800	80	9.1	0.0%	$2,475		$20,993	

BIT REPORT

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	66 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2	75	257	2,151	0	0	6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2	75	257							
BOTTOM HOLE ASSEMBLY			TOTALS	150	514							

TOTAL LENGTH	BHA DESCRIPTION
1,002.73'	7/8 3.3,.29 RPG, 1.5° MUD MOTOR/UBHO/NMDC/GAP SUP/NMDC/30 HWDP.

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	

TOTAL DRILL GAS	GAS	UNITS
BGG	850	
PECK GAS	2,786	
CG	492	
TG		
FLARE SCF's	0	

TOUR CHECK	FISHING	Ft.
PICK UP	K	
SLACK OFF	K	
ROTATING	K	
TORQUE	K	

DEVIATION RECORD DEPTH	INC	AZ
9,292'	0.8	165.0
FISHING		

KILL RATE PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/264	40/263
60/459	60/449
CO-MAN PHONE NO.	
435-828-0601	

FUEL USED	1312	GALS

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.		Prospect/Field		Date
10	Desert Spring State 412-36-9-18		8 Mile Flat North		28 Jun 2014
MD	**TVD**	**Progress**	**Planned TD**	**Daily Cost**	**Cumulative Cost**	**AFE DHC**	**AFE CWC**
9,456'	9,280'	0'	12,698'	$75,993	$948,791	$ 1,275,900	$ 2,802,700
County	**API**	**State**	**Rig**	**Drilling Supervisor**	**AFE Days (CWC)**
UINTAH	43-047-53324	UT	SST RIG 54	SCOTT ALLRED	18 Days
Present Operation					**AFE No.**
TRIP OUT , FISHING					14004

Time Log From	Time Log To	Hrs	DESCRIPTION
6:00	7:30	1.5	PICK UP AND MAKE UP TOOLS= OVERSHOT, EXTENSION,BUMPER SUB, JAR, 15 HWDP, INTENSIFIER, 15 HWDP.
7:30	17:00	9.5	TRIP IN THE HOLE TAG FISH AT 6764' TRY TO LATCH ONTO FISH, FISH MOVED DOWN HOLE, CHASE TO BOTTOM LATCH ON
17:00	6:00	13	WORK FISH UP HOLE HAVING TO REAM EACH STAND 3 OF 4 TIME DUE TO TIGHT HOLE ABOVE THE JARS
			THE FISH= BIT 1.00/MUD MOTOR 26.57/ UBHO 3.05/ NMDC 30.82/GAP SUB 1.48/MWD TOOLS

		PROGNOSIS	ACTUAL	TVD ACTUAL
	WASATCH	5,329'	5,344'	5,209'
	MASAVERDE	9,168'	9,153'	8,978'
	CASTLEGATE	11,668'		
	BLACKHAWK	11,928'		
	SPRING CANYON	12,598'		
TOTAL HOURS:	TD	12,698'		

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.0	32	4	5	3	7	7.5		3.0%	97%	6.25		TR
CAKE	**PH**	**PM**	**PF**	**MF**	**CL**	**HARDNESS**	**ECD**	**LCM**	**Daily Mud Cost**		**Cumulative**	
1-32	8.0	0.10	.20	.10	1,800	80	9.1	0.0%	$6,174		$27,167	

BIT REPORT

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY			6-17	9,456'	9,456'	0'		10/25	60/68.7	#DIV/0!

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
#2								

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2	75	257	2,151	0	0	6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2	75	257							
			TOTAL	150	514							

BHA TOTAL LENGTH	BHA DESCRIPTION
945.06'	OVERSHOT, EXTENSION,BUMPER SUB, JAR, 15 HWDP, INTENSIFIER, 15 HWDP.

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	
FUEL USED	656	GALS

TOTAL DRILL GAS	UNITS
BGG	850
PECK GAS	2,745
CG	NA
TG	
FLARE SCF's	0

TOUR CHECK	FISHING	Ft.
PICK UP		K
SLACK OFF		K
ROTATING		K
TORQUE		K

DEVIATION RECORD DEPTH	INC	AZ
FISHING		

KILL RATE PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/264	40/263
60/459	60/449
CO-MAN PHONE NO.	
435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date	
11	Desert Spring State 412-36-9-18			8 Mile Flat North		29 Jun 2014	
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC	AFE CWC
9,456'	9,280'	0'	12,698'	$64,868	$1,013,659	$ 1,275,900	$ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)	
UINTAH	43-047-53324	UT	SST RIG 54	SCOTT ALLRED		18 Days	
Present Operation						AFE No.	
TRIP OUT , FISHING						14004	

Time Log From	Time Log To	Hrs.	OPERATIONS DESCRIPTION
6:00	8:30	2.5	WORK FISH UP HOLE HAVING TO REAM EACH STAND DUE TO TIGHT HOLE ABOVE THE JARS (NO FISH)
8:30	10:00	1.5	BREAK DOWN OVER SHOT, (MARKS ON THE GRAPPLE INDICATE THAT WE WHERE OVER THE FISH ALL THE WAY, SO WE ARE
			GOING IN WITH ONE SIZE SMALLER FOR A BETTER HOLD.)
10:00	10:30	0.5	RIG SERVICE
10:30	13:30	3	ORDER NEW OVERSHOT GUIDE AND WAIT ON TOOLS.
13:30	14:30	1	MAKE UP FISHING TOOLS
14:30	16:30	2	TRIP IN THE HOLE
16:30	17:30	1	CUT AND SLIP DRILLING LINE
17:30	0:00	6.5	TRIP IN THE HOLE PUMP EVER STAND DOWN AFTER 3883'
0:00	6:00	6	LATCH ONTO FISH AND TRIP OUT OF THE HOLE, TIGHT ALL THE WAY
			THE FISH= BIT 1.00/MUD MOTOR 26.57/ UBHO 3.05/ NMDC 30.82/GAP SUB 1.48/MWD TOOLS

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TD	12,698'		

TOTAL HOURS: 24

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.2	32	5	4	2	5	7.8		9.0%	97%	6.7		TR

CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost	Cumulative
1-32	8.0	0.10	.20	.10	1,800	40	9.1	0.0%	$9,582	$36,749

BIT REPORT — PRE SET 8 5/8 SURFACE TO 3030' KB, DRILLED TO 3059'

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY			6-17	9,456'	9,456'	0'		10/25	60/68.7	#DIV/0!

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
#2								

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE
1	BOMCO	1600	5 1/2	32	110	370	0	0	6 1/2"	4 1/2"	7 7/8"
2	BOMCO	1600	5 1/2	0	0						
			TOTAL	32	110						

BHA TOTAL LENGTH	BHA DESCRIPTION
945.06'	OVERSHOT, EXTENSION,BUMPER SUB, JAR, 15 HWDP, INTENSIFIER, 15 HWDP.

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	

TOTAL DRILL GAS	UNITS
BGG	450
PECK GAS	2,700
CG	
TG	
FLARE SCF's	0

TOUR CHECK	FISHING Ft.
PICK UP	K
SLACK OFF	K
ROTATING	K
TORQUE	K

DEVIATION RECORD DEPTH	INC	AZ
FISHING		

KILL RATE PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/264	40/263
60/459	60/449

FUEL USED	656	GALS

CO-MAN PHONE NO. 435-828-0601

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
12	Desert Spring State 412-36-9-18			8 Mile Flat North		30 Jun 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
9,456'	9,280'	0'	12,698'	$57,536	$1,071,196	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	SCOTT ALLRED		18 Days
Present Operation						AFE No.
FISHING TRIP IN THE HOLE						14004

Time Log From	Time Log To	Hrs.	OPERATIONS DESCRIPTION
6:00	13:30	7.5	TRIP OUT OF THE HOLE, TIGHT ALL THE WAY
13:30	14:00	0.5	RIG SERVICE
14:00	19:30	5.5	MAKE UP OVER SHOT W/ 6 3/8 GRAPPLE AND TRIP IN THE HOLE
19:30	3:30	8	CHECK PUMP PRESSURES AND LATCH ONTO FISH, WORK OVERSHOT, KEEPS SLIDING OFF, TRIP OUT (NO FISH)
3:30	6:00	2.5	BREAK DOWN FISHING TOOLS, REPLACE GRAPPLE W/ 6 ¼ , TRIP IN

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TOTAL HOURS: 24	TD 12,698'		

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.2	32	5	4	2	5	7.8		9.0%	97%	6.7		TR
CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost		Cumulative	
1-32	8.0	0.10	.20	.10	1,800	40	9.1	0.0%	$5,835		$42,584	

BIT REPORT — PRE SET 8 5/8 SURFACE TO 3030' KB, DRILLED TO 3059'

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	9,456'	9,456'	0'		10/25	60/68.7	#DIV/0!

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
#2								

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE
1	BOMCO	1600	5 1/2	0	0	0	0	0	6 1/2"	4 1/2"	7 7/8"
2	BOMCO	1600	5 1/2	0	0						
			TOTAL	0	0						

BHA TOTAL LENGTH	BHA DESCRIPTION
945.06'	OVERSHOT, EXTENSION,BUMPER SUB, JAR, 15 HWDP, INTENSIFIER, 15 HWDP.

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL	TOTAL DRILL GAS	UNITS
			GAS BGG	450
8 5/8	3,000'	3006 GL	PECK GAS	270
4 1/2	12,698'		CG	
			TG	2,706
FUEL USED	820	GALS	FLARE SCF's	0

TOUR CHECK	DEPTH	FISHING	Ft.
PICK UP			K
SLACK OFF			K
ROTATING			K
TORQUE			K

DEVIATION RECORD DEPTH	INC	AZ
FISHING		

KILL RATE PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/264	40/263
60/459	60/449
CO-MAN PHONE NO.	
435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.		Prospect/Field		Date
13	Desert Spring State 412-36-9-18		8 Mile Flat North		1 Jul 2014
MD	**TVD**	**Progress** / **Planned TD**	**Daily Cost**	**Cumulative Cost**	**AFE DHC** / **AFE CWC**
9,456'	9,280'	0' / 12,698'	$49,379	$1,120,575	$ 1,275,900 / $ 2,802,700
County	**API**	**State**	**Rig**	**Drilling Supervisor**	**AFE Days (CWC)**
UINTAH	43-047-53324	UT	SST RIG 54	SCOTT ALLRED	18 Days
Present Operation					**AFE No.**
CIRCULATE AND WAIT ON BAKER CEMENTERS					14004

Time Log From	Time Log To	Hrs.	OPERATIONS DESCRIPTION
6:00	9:30	3.5	TRIP IN THE HOLE
9:30	11:30	2	WORK OVER SHOT AND TRY TO LATCH ONTO FISH
11:30	16:30	5	TRIP OUT OF THE HOLE (NO FISH GRAPPLES SHOW WE WERE OVER THE FISH AGAIN)
16:30	17:30	1	BREAK DOWN FISHING TOOLS AND LOAD OUT.
17:30	18:00	0.5	RIG SERVICE
18:00	20:00	2	PLUG BACK WAIT ON TOOLS,
20:00	23:30	3.5	RIG UP FRANKS TONGS AND RUN 13 JOINT 2 7/8 EUE TUBING AND 94 STANDS DP, TO 9300' FOR PLUG OVER THE FISH
23:30	0:30	1	CODE 8- CHANGE OUT PIPE SPINNERS
0:30	4:00	3.5	TRIP IN THE HOLE TO SET CEMENT PLUGS
4:00	6:00	2	CIRCULATE OUT GAS WAIT ON BAKER TO SEND OUT RETARDER FOR CEMENT TO GET 3 HR PUMP TIME
			RIG UP BAKER HUGHES CEMENTERS TO SET PLUGS
			NOTE: GYRODATA IS REPLACE BY SCIENTIFIC DIRECTIONAL

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TD	12,698'		

TOTAL HOURS: 24

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.4	33	5	5	2	5	7.1		6.0%	94%	6.7		TR
CAKE	**PH**	**PM**	**PF**	**MF**	**CL**	**HARDNESS**	**ECD**	**LCM**	**Daily Mud Cost**		**Cumulative**	
1-32	7.8		.00	.02	1,800	40	9.47	0.0%	$1,518		$44,102	

BIT REPORT — PRE SET 8 5/8 SURFACE TO 3030' KB, DRILLED TO 3059'

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"					9,456'	9,456'	0'		10/25	60/68.7	#DIV/0!

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
#2								CEMENTED IN HOLE

PUMP REPORT

PUMP #		MODEL	LINER SIZE	ANNULAR VELOCITY SPM	GPM	PRESSURE	DP	DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2	0	0	0	0	0	6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2	0	0							
			TOTAL	0	0							

BHA TOTAL LENGTH	BHA DESCRIPTION
945.06'	OVERSHOT, EXTENSION,BUMPER SUB, JAR, 15 HWDP, INTENSIFIER, 15 HWDP.

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD DEPTH SIZE	DEPTH PROPOSED	DEPTH ACTUAL	TOTAL DRILL GAS GAS	UNITS	TOUR CHECK DEPTH	PLUG BACK Ft.	DEVIATION RECORD DEPTH	INC	AZ	KILL RATE PUMP 1	PUMP 2
8 5/8	3,000'	3006 GL	BGG		PICK UP	K	PLUG BACK			SPM/PSI	SPM/PSI
4 1/2	12,698'		PECK GAS		SLACK OFF	K				40/264	40/263
			CG		ROTATING	K				60/459	60/449
			TG		TORQUE	K				CO-MAN PHONE NO.	
FUEL USED	660	GALS	FLARE SCF's	0						435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
14	Desert Spring State 412-36-9-18			8 Mile Flat North		2 Jul 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
9,456'	9,280'	0'	12,698'	$94,313	$1,214,888	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	SCOTT ALLRED/JERRY BARNES		18 Days
Present Operation						AFE No.
TRIP IN HOLE TO KICK OFF & DRILL AROUND FISH						14004

Time Log From	Time Log To	Hrs.	OPERATIONS DESCRIPTION
6:00	11:00	5	CIRCULATE OUT GAS / WAIT ON BAKER TO SEND OUT RETARDER FOR CEMENT TO GET 3 HR PUMP TIME
11:00			PJSM, RIG UP BAKER HUGHES CEMENTERS / PUMP PLUG # 1, 9,308' TO 9,078' / 68 SX OF CLASS G CEMENT WITH 0.5% R-S, .002 GPS
			FP-6L / MIXED CEMENT AT 15.8 PPG WITH YIELD OF 1.15 CF/SX / DISPLACED WITH 1 BBL WATER & 115 BBL 9.2# MUD FOR A
	12:00	1	BALANCED PLUG
12:00	14:30	2.5	TRIP OUT 8 STANDS DRILL PIPE / CIRCULATED BOTTOMS UP / TRIP OUT TO 7,697' / CIRCULATE TO EVEN OUT MUD WEIGHT
14:30			PJSM, PUMP PLUG # 2, 7,697' TO 7,324' / 128 SX OF CLASS G CEMENT WITH 0.4% CD-32, 0.3% FL-63, 0.2% R-3, AND .002 GPS FP-6L /
			MIXED CEMENT AT 17.0 PPG WITH YIELD OF 0.99 CF/SX / DISPLACED WITH 1 BBL WATER AND 94 BBL 9.2# MUD FOR A
	16:00	1.5	BALANCED PLUG
16:00	20:00	4	TRIP OUT 8 STANDS DRILL PIPE / CIRCULATE BOTTOMS UP / TRIP OUT OF HOLE TO THE 2 7/8" TUBING
20:00	21:00	1	PJSM, RIG UP FRANKS TUBING TONGS AND LAY DOWN 2 7/8" TUBING
21:00	1:00	4	PICK UP BIT, MUD MOTOR, BHA / TEST AND SCRIBE MOTOR / TRIP IN HOLE TO 3,016'
1:00	1:30	0.5	SLIP AND CUT 131' DRILLING LINE
1:30	4:00	2.5	WAIT ON CEMENT AT SURFACE CASING SHOE
4:00	6:00	2	TRIP IN HOLE
			NOTE: SCOTT ALLRED NOTIFIED UDOGM OF PLUG BACK ON 6/18/2014 @ 9:45 AM.

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TD	12,698'		

TOTAL HOURS: 24

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.1	30	4	5	2	4	7.3		5.0%	95%	6.1	0/95	TR

CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost	Cumulative
1-32	8.5		.01	.02	1,800	60		0.2%	$1,203	$45,306

BIT REPORT

PRE SET 8 5/8 SURFACE TO 3030' KB, DRILLED TO 3059'

BIT #	SIZE	MFG	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17							

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED
#2								CEMENTED IN HOLE

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2	0	0	0	0	0	6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2	0	0							
			TOTAL	0	0							

BHA TOTAL LENGTH	BHA DESCRIPTION
1,023.72'	BIT=1.00 / 7:8 3.3,.14 RPG, 1.75° MM=29.23 / HOS=1.71 / NMPC=9.79 / NMDC=29.32 / GAP SUB=4.29 / NMPC=9.95 / NMDC=30.87 / HWDP=907.56

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
0		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	19 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	
FUEL USED	656	GALS

TOTAL DRILL GAS	UNITS
BGG	700
PECK GAS	3,532
CG	
TG	3,532
FLARE SCF's	0

TOUR CHECK	PLUG BACK Ft.	
PICK UP	200	K
SLACK OFF	125	K
ROTATING	155	K
TORQUE	N/A	K

DEVIATION RECORD DEPTH	INC	AZ
PLUG BACK		

KILL RATE PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/264	40/263
60/459	60/449
CO-MAN PHONE NO.	
435-828-0601	

GASCO Energy

Gasco Production Company

DAILY DRILLING REPORT

Days from Spud	Lease and Well No.			Prospect/Field		Date
15	Desert Spring State 412-36-9-18			8 Mile Flat North		3 Jul 2014
MD	TVD	Progress	Planned TD	Daily Cost	Cumulative Cost	AFE DHC / AFE CWC
7,439'	7,255'	66'	12,698'	$49,369	$1,233,657	$ 1,275,900 / $ 2,802,700
County	API	State	Rig	Drilling Supervisor		AFE Days (CWC)
UINTAH	43-047-53324	UT	SST RIG 54	JERRY BARNES		18 Days
Present Operation						AFE No.
TIME DRILL @ 7,439' - KICKING OFF AROUND OLD HOLE						14004

Time Log From	To	Hrs.	OPERATIONS DESCRIPTION
6:00	8:00	2	TRIP IN HOLE, TAG CEMENT @ 7,373' / CLEAN OFF CEMENT TO 7,376' / PLUG BACK DEPTH = 7,373'
8:00	10:30	2.5	WORK PIPE AND CUT TROUGH FROM 7,350' TO 7,376'
10:30	13:30	3	TIME DRILL 7,376' TO 7,380' ATEMPTING TO KICK OFF - CEMENT FELL AWAY
13:30	15:00	1.5	WORK PIPE WASHING AND REAMING 7,380' TO 7,401' / GOOD HARD CEMENT 7,386' TO 7,390' / GOOD CEMENT @ 7,401'
15:00	16:00	1	WORK PIPE AND CUT TROUGH FROM 7,376' TO 7,401'
16:00	6:00	14	TIME DRILL 7,401' TO 7,439'

	PROGNOSIS	ACTUAL	TVD ACTUAL
WASATCH	5,329'	5,344'	5,209'
MASAVERDE	9,168'	9,153'	8,978'
CASTLEGATE	11,668'		
BLACKHAWK	11,928'		
SPRING CANYON	12,598'		
TD	12,698'		

TOTAL HOURS: 24

MUD REPORT

MW	VIS	PV	YP	GELS INITIAL	GELS 10 MIN	FLUID LOSS API	FLUID LOSS HPHT	SOLIDS %	WATER %	DAP PPB	O/W %	SAND %
9.0	30	5	4	3	6	7.7		3.0%	97%	6.4	0/97	0%

CAKE	PH	PM	PF	MF	CL	HARDNESS	ECD	LCM	Daily Mud Cost	Cumulative
1-32	8.0		.01	.03	2,000	40		0.3%	$5,333	$50,639

BIT REPORT 0.02

BIT #	SIZE	MGF	TYPE	SERIAL NUMBER	JETS	DEPTH IN	DAY END/OUT	TOTAL FOOTAGE	TOTAL HOURS	WOB	RPM/MOTOR	ROP
1	7 7/8"	SECURITY	MM65M	12424241	6-16	3,059'	7,407'	4,348'	66.0	15/18	60/68.7	65.9 FPH
2	7 7/8"	SMITH	MDi616	JJ3382	6-16	7,407'	9,456'	2,049'	42.5	15/20	60/133	48.2 FPH
3	7 7/8"	SECURITY	MM65D	12455019	6-17	7,373'	7,439'	66'	17.0			

BIT CONDITION	INNER ROWS	OUTER ROWS	DULL CHAR.	LOCATION	BEARINGS / SEALS	GAGE	OTHER	REASON PULLED

PUMP REPORT

PUMP #		MODEL	LINER SIZE	SPM	GPM	PRESSURE	ANNULAR VELOCITY DP	ANNULAR VELOCITY DC	DC OD	DP OD	HOLE	
1	BOMCO	1600	5 1/2	70	246	1,890	0	0	6 1/2"	4 1/2"	7 7/8"	
2	BOMCO	1600	5 1/2	70	246							
			TOTAL	140	492							

BHA TOTAL LENGTH	BHA DESCRIPTION
1,023.72'	BIT=1.00 / 7:8 3.3,.14 RPG, 1.75° MM=29.23 / HOS=1.71 / NMPC=9.79 / NMDC=29.32 / GAP SUB=4.29 / NMPC=9.95 / NMDC=30.87 / HWDP=907.56

MUD MOTOR HOURS	HOURS ON JARS	BOP MAKE & TYPE	BOP TEST DATE & PRESSURE	
17		11" SHAFFER LWS 5,000# DBL GATE & 11" SHAFFER 5,000# ANNULAR	18 Jun 14	5,000 PSI

CASING RECORD SIZE	DEPTH PROPOSED	DEPTH ACTUAL
8 5/8	3,000'	3006 GL
4 1/2	12,698'	

TOTAL DRILL GAS	UNITS
BGG	93
PEAK GAS	3,532
CG	N/A
TG	N/A
FLARE SCF's	0

TOUR CHECK	7,425'	Ft.
PICK UP	225	K
SLACK OFF	159	K
ROTATING	N/A	K
TORQUE	N/A	K

DEVIATION RECORD DEPTH	INC	AZ
KICK OFF		

KILL RATE PUMP 1	PUMP 2
SPM/PSI	SPM/PSI
40/264	40/263
60/459	60/449
CO-MAN PHONE NO.	
435-828-0601	

FUEL USED: 1476 GALS

Gasco Myton, Utah - Notification Form

CONFIDENTIAL

Operator GASCO PROD. Rig Name/# SST 54
Submitted By SCOTT ALLRED Phone Number 435-828-0601
Well Name/Number DESERT SPRINGS STATE 412-36-9-18
Qtr/Qtr SW/NE Section 36 Township 9 S Range 18 E
Lease Serial Number ~~ML54171~~ ML 45171
API Number 43047533240000

SPUD NOTICE – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

CASING – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 7/27/2014 7:00 AM ☒ PM ☐

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks If you would like to witness, please call for a more exact time Thank You

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/8/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Temp Water Lines

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco intends to lay approximately 3,099' of 10" lay flat hose along the bar ditch of the road from the Desert Springs Evaporation Facility Pit #1 (South Pit) to the pad for the Desert Spring State 412-36-9-18, 422-36-9-18 and 424-36-9-18 (see attached map). All lay flat hose connections will be a twist and lock connection. Road crossings will have a 1 foot culvert put in place. Gasco intends to use produced water from the evap pond and treat it by running it through a 150 micron filter then injecting MC B-8614 Biocide in the line. It will be pumped into frac tanks on location. All pumps will have containment under them. Gasco also intends to use the line to pump flowback water to the evap facility. It is estimated the lines will be in use for approximately 30 days. Gasco will monitor the lines for leaks at the startup and periodically throughout the operation

Approved by the Utah Division of Oil, Gas and Mining
Date: September 02, 2014
By:

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/18/2014

RECEIVED: Aug. 18, 2014

The Utah Division of Oil, Gas, and Mining

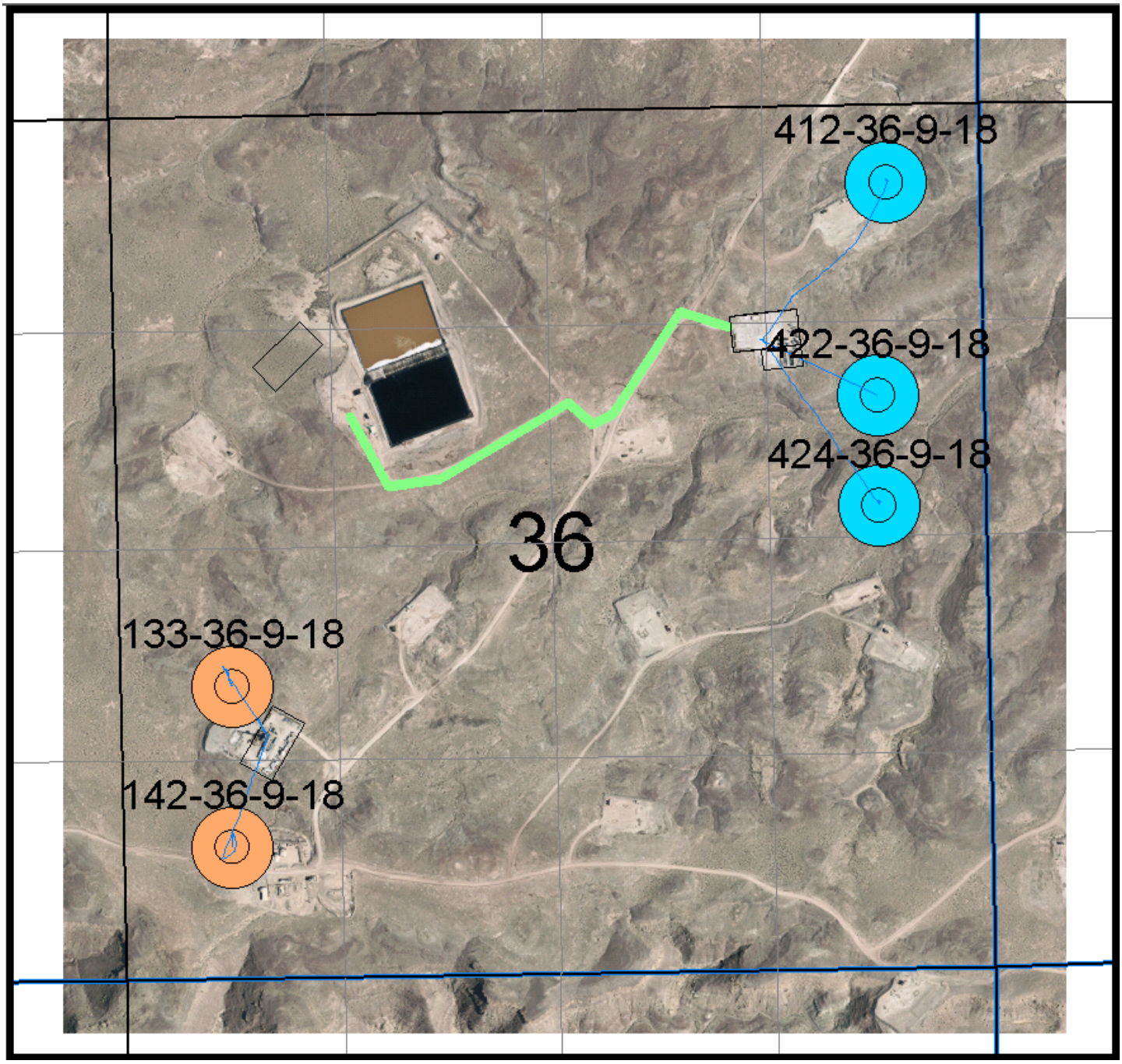
- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047533240000

The operation is approved as proposed. Approval from SITLA for the right-of way shall be obtained by Gasco Production Company.

RECEIVED: Sep. 02, 2014



RECEIVED: Aug. 18, 2014

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/1/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
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	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Request for exception locatic

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see the attached exception location request with accompanying letters of agreement from all applicable parties within any portion of the 460-foot radius along the projected wellbore.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 23, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/29/2014

RECEIVED: Mar. 29, 2014

GASCO Energy

March 26, 2014

Department of Natural Resources
Utah Division of Oil Gas and Mining
1594 West North Temple, Suite #1210
Salt Lake City, Utah 84116

RE: Directional Drilling Exception Location Request
Gasco Production Company
Desert Springs State 412-36-9-18
SHL: 1,462' FNL / 1,352' FEL (SWNE)
BHL: 495' FNL / 660' FEL (NENE)
Section 36 – Township 9 South, Range 18 East, SLBM
Uintah County, Utah
State Mineral Lease at SHL and BHL: ML-45171

To Whom It May Concern,

Pursuant to the filing of the filing of the Gasco Production Company ("Gasco") Utah Division of Oil Gas and Mining ("UDOGM") Application for Permit to Drill ("APD") for the Desert Springs State 412-36-9-18, Gasco hereby requests an exception to the UDOGM Rule R649-11 and R469-12 as amended under Docket No. 2012-011 and Cause 173-26 which states "... in the absence of a specific Board order otherwise addressing such directional drilling. The elimination of any offset limitations as between wells within each leasehold in the Subject Lands and the suspension of Utah Admin. Code Rules R649-10 and R649-12 (1) and (2), with the proviso that no well may be directionally drilled in any portion of a 460-foot radius along the projected wellbore intersects with a boundary of a lease without the approval of the Division or Board in accordance with Utah Admin. Code Rules R649-10 and R649-11 (1) and (2), is just and reasonable under the circumstances." Please find enclosed a copy of the Findings of Fact, Conclusions of Law and Order for Docket No. 2012-011 and Cause 173-26 for your reference.

Wapiti and Gasco Production Company control 100% of the leasehold in the spaced zones and formations; please find enclosed a copy of Wapiti Oil and Gas II, L.L.C and First Griffin Group L.L.C.'s consent to directionally drill the above referenced well. The State of Utah is the mineral interest owner on State Oil and Gas Lease ML-45171. In order to maximize recovery of the Wasatch formation and Mesaverde Group reservoir on the leasehold pursuant to the ten (10) acre density pattern set forth in the above mentioned Docket No. and Cause No., it is the belief that drilling at this surface location is necessary as an exception location to the amended Utah Admin. Code Rules R649-10 and R649-11 (1) and (2) to prudently and thoroughly develop the reservoir.

By locating the well at this surface location and directionally drilling, Gasco will be able to utilize existing roads, pipelines, and infrastructure in the area with minimal surface disturbance in accordance with the Gasco Environmental Impact Study cover this area, while producing the well in the most efficient manner for optimal resource recovery.

The producing interval of the above referenced well will only be located vertical from the permitted bottom hole location.

If you have any questions or concerns please feel free to contact me at (303) 996-1815.

Thank you again for your assistance, your prompt response is greatly appreciated.

Sincerely,

Brandon Casey
Landman
cc: enclosures

7979 E. Tufts Avenue, Suite 1150
Denver, CO 80237
Tel: (303) 483-0044
Fax: (303) 483-0011
Website: www.gascoenergy.com
OCTQB: GSXN

GASCO Energy

February 10, 2014

Wapiti Oil & Gas II, L.L.C.
800 Gessner, Suite #700
Houston, TX 77024

RE: Directional Drilling Exception Location Consent Request
Gasco Production Company
Desert Springs State 412-36-9-18
SHL: 1,462' FNL / 1,352' FEL (SWNE)
BHL: 495' FNL / 660' FEL (NENE)
Section 36 – Township 9 South, Range 18 East, SLBM
Uintah County, Utah
State Mineral Lease at SHL and BHL: ML-45171

To Whom It May Concern,

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The projected wellbore encroaches within a 460 foot radius of acreage within the above referenced oil and gas leases that are partially owned by you.

In order to maximize recovery of the Wasatch formation and Mesaverde Group reservoir on the leasehold pursuant to the ten (10) acre density pattern set forth in the above mentioned Docket No. and Cause No., it is the belief that drilling at this surface location is necessary as an exception location to the amended Utah Admin. Code Rules R649-10 and R649-11 (1) and (2) to prudently and thoroughly develop the reservoir. By locating the well at this surface location and directionally drilling, Gasco will be able to utilize existing roads, pipelines and infrastructure in the area with minimal surface disturbance in accordance with the Gasco Environmental Impact

Study covering this area, while producing the well in the most efficient manner for optimal resource recovery.

The producing interval of the above referenced well will only be located vertical from the permitted bottom hole location. Please find enclosed a copy of the survey plat showing both the surface hole location and bottom hole location for your reference.

If this meets with your approval, please so indicate by executing, dating, and returning one (1) original copy of this letter in the enclosed self-addressed stamped envelope.

If you have any questions or concerns please feel free to contact me at (303) 996-1815.

Thank you again for your assistance, your prompt response is greatly appreciated.

Sincerely,

Brandon Casey
Landman

cc: enclosures

Agreed and accepted this 12th day of February, 2014.

WAPITI OIL AND GAS II, L.L.C.

By: _____

Title: V.P. Rockies

7979 E. Tufts Avenue, Suite 1150
Denver, CO 80237
Tel: (303) 483-0044
Fax: (303) 483-0011
Website: www.gascoenergy.com
OCTQB: GSXN

GASCO Energy

February 10, 2014

First Griffin Group, LLC
200 West Adams St., Suite 1015
Chicago, IL 60606

RE: Directional Drilling Exception Location Consent Request
Gasco Production Company
Desert Springs State 412-36-9-18
SHL: 1,462' FNL / 1,352' FEL (SWNE)
BHL: 495' FNL / 660' FEL (NENE)
Section 36 – Township 9 South, Range 18 East, SLBM
Uintah County, Utah
State Mineral Lease at SHL and BHL: ML-45171

To Whom It May Concern,

Pursuant to the filing of Gasco Production Company ("Gasco"), Utah Division of Oil Gas and Mining (UDOGM") Application for Permit to Drill ("APD") for the Desert Springs State 412-36-9-18, Gasco hereby requests an exception to UDOGM Rule R649-11 and R469-12 as amended under Docket No. 2012-011 and Cause 173-26 which states "... in the absence of a specific Board order otherwise addressing such directional drilling. The elimination of any offset limitations as between wells within each leasehold in the Subject Lands and the suspension of Utah Admin. Code Rules R649-10 and R649-12 (1) and (2), with the proviso that no well may be directionally drilled in any portion of a 460-foot radius along the projected wellbore intersects with a boundary of a lease without the approval of the Division or Board in accordance with Utah Admin. Code Rules R649-10 and R649-11 (1) and (2), is just and reasonable under the circumstances." Please find enclosed a copy of the Findings of Fact, Conclusions of Law and Order for Docket No. 2012-011 and Cause 173-26 for your reference.

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Denver, CO 80237
Tel: (303) 483-0044
Fax: (303) 483-0011
Website: www.gascoenergy.com
OCTQB: GSXN

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If this meets with your approval, please so indicate by executing, dating, and returning one (1) original copy of this letter in the enclosed self-addressed stamped envelope.

If you have any questions or concerns please feel free to contact me at (303) 996-1815.

Thank you again for your assistance, your prompt response is greatly appreciated.

Sincerely,

Brandon Casey
Landman

cc: enclosures

Agreed and accepted this 24th day of MARCH, 2014.

FIRST GRIFFIN GROUP, LLC

By: _____

Title: MANAGER

7979 E. Tufts Avenue, Suite 1150
Denver, CO 80237
Tel: (303) 483-0044
Fax: (303) 483-0011
Website: www.gascoenergy.com
OCTQB: GSXN

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/27/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	✓ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco intends to primarily dispose of produced water at the Desert Spring State Evaporation Facility and the Eight Mile Flat Evaporation Facility owned by Monarch Natural Gas, LLC. Gasco may also utilize the following State approved disposal facilities: Brennan Bottom Disposal, Environmental Energy Innovations, Integrated Water Management, LLC, Iowa Tanklines, Inc., R N Industries, Inc., and Western Water Solutions.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 31, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey J. Cooke	303 996-1834	Production Tech
SIGNATURE		**DATE**
N/A		10/30/2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Desert Springs State 412-36-9-18

2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

9. API NUMBER:
43047533240000

3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 10/27/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☑ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was put on production and had first sales at 4:00 PM on 10/27/2014.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 31, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey J. Cooke	303 996-1834	Production Tech
SIGNATURE		**DATE**
N/A		10/30/2014

RECEIVED: Oct. 30, 2014

RECEIVED
OCT 22 2014
Div. of Oil, Gas & Mining

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: Gasco Production Company
Operator Account Number: N 2575
Address: 7979 E. Tufts Ave., Suite 1150
city Denver
state CO zip 80237
Phone Number: (303) 996-1834

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753324	Desert Spring State 412-36-9-18		SWNE	36	9S	18E	Uintah
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	19454	19783	4/14/2014			10/31/14	

Comments: Please assign all 3 wells to the same entity. CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753328	Desert Spring State 422-36-9-18		SWNE	36	9S	18E	Uintah
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	19458	19783	4/14/2014			10/31/14	

Comments: Please assign all 3 wells to the same entity. CONFIDENTIAL

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753325	Desert Spring State 424-36-9-18		SWNE	36	9S	18E	Uintah
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	19455	19783	4/14/2014			10/31/14	

Comments: Please assign all 3 wells to the same entity. CONFIDENTIAL

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

Lindsey Cooke
Name (Please Print)

Lindsey Cooke
Signature

Production Tech
Title

10/22/2014
Date

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
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2. NAME OF OPERATOR:
GASCO PRODUCTION COMPANY

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3. ADDRESS OF OPERATOR:
8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER:
303 996-1805 Ext

9. FIELD and POOL or WILDCAT:
8 MILE FLAT NORTH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1462 FNL 1352 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/27/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Production Facilities & Measu

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco intends to use the following production facilities and measurement methods on the Desert Spring States 412-36-9-8, Desert Spring State 422-36-9-18 and the Desert Spring State 424-36-9-18 which share a common pad: Each well will be produced through its own three-phase separator. Gas will be metered through an electronic flow meter, a Total Flow XFCG4, then to a common sales meter. Liquids from each well will flow to individual400 bbl tanks where water and condensate will be gauged regularly. Condensate will be manually skimmed into a common 400 bbl sales tank. Only one tank will be skimmed at a time in order to allow for gauging and tracking of the condensate from each well. These wells share the same lease with common ownership, and are being produce from the same formations. It has also been requested that all three wells share a common entity number for reporting purposes.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: November 13, 2014
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey J. Cooke	303 996-1834	Production Tech
SIGNATURE		**DATE**
N/A		10/30/2014

RECEIVED: Oct. 30, 2014

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45171

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Desert Spring State 412-36-9-18

2. NAME OF OPERATOR: Gasco Production Co

9. API NUMBER: 4304753324

3. ADDRESS OF OPERATOR: 7979 E Tufts Ave #1150 CITY Denver STATE CO ZIP 80237

PHONE NUMBER: (303) 996-1805

10 FIELD AND POOL, OR WILDCAT: 8 Mile Flat North

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1462 FNL & 1352 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 752 FNL & 850 FEL
AT TOTAL DEPTH: 514 FNL & 593 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 9S 18E S

12. COUNTY: Uintah

13. STATE: UTAH

14. DATE SPUDDED: 4/14/2014

15. DATE T.D. REACHED: 7/25/2014

16. DATE COMPLETED: 10/27/2014 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 4912 GL

18. TOTAL DEPTH: MD 12,785 TVD 12,641

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
RPM Logs

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.25	13.375	48#	0	60		Class G 55		0	
11	8.625 J-55	32#	0	3,006		HiLift G 570		0	
7.875	4.5 P110	13.5#	0	12,773		Premiur 490		0	
						50/50 P 1,890			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	5,293	9,431		
(B) Mesaverde	9,431	12,785		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,944 12,612	.38"	363	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☑ NO ☐ IF YES -- DATE FRACTURED: 10/14/2014

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6944-12612	Please see attached completion report

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
☐ GEOLOGIC REPORT
☐ CORE ANALYSIS
☐ DST REPORT
☑ DIRECTIONAL SURVEY
☑ OTHER: Completion Rep.

30. WELL STATUS:
PGW

(5/2013)

(CONTINUED ON BACK)

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/27/2014	11/5/2014	24		17	1,262	1,087	flowing

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64		2,258	51.40	1,166			17	1,262	1,087	Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Green River	4,683	5,293		Wasatch	5,293
Wasatch	5,293	9,431		Mesaverde	9,431
Mesaverde	9,431	12,690	TD'd within the Mesaverde		

35. ADDITIONAL REMARKS (Include plugging procedure)

Well plugged back while drilling 7/2/14 and 7/11/14. PBTD 3508' kicked off and drilled around old well bore. See plug back NOI's.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Jessica Berg TITLE Regulatory Analyst

SIGNATURE _____ DATE 12/10/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

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Gasco Production Company

Desert Spring State 412-36-9-18
NE SW of Section 36-T9S-R18E
Uintah County Utah,
43-047-53324

Completion

9/14/14 MIRU Baker logging. RIH w/RPM log to TD and log well. SDFD.

10/6/14 MIRU RBS psi tester and test casing to 9,800 psi and monitor for 10 min, test good. Bleed off psi and RDMO RBS. SDFD.

10/13/14 Have safety meeting, (perf guns). MIRU The Perforaters. MU and RIH w/2 ¾" perf guns. **Perf stage-1 Spring Canyon** f/**12,584-88', 12,598-602', 12,608-12**', POOH **74'** w/2 ¾" guns 15 gram charge, .38 EH 36" pen 120 degree phase 3 spf. Secure well for night and SDFD.

10/14/14 MIRU Halliburton frac crew. Have safety meeting, (pumping psi, communication). Prime and test pump and lines to 9,800 psi, test good. FD 0 sicp. Break dn perfs w/3,050 psi @ 5 bpm. Get rate up to 28 bpm w/3,850 psi, SD. ISIP 3,203. Produced water FR slick water frac well w/96,100# 20/40 Premium white sand, 3,933 bbls Produced FR slick water, and flushed w/187 bbls Produced FR slick water. SD, ISIP 4,814 MR 53.4 bpm, AR 53.4 bpm, MP 8,912, AP 7,772. Open well up to FB @ 5:00 p.m. and 0 psi on the well. Leave well open to FB for night to monitor psi. SDFD.

10/15/14 Fd well dead. RU and pump 30 bbls @ 10 bpm and and caught psi. psi went up to 8,000. SD and well slowly bled off to 0. Try to flush again and psi came up to 8,500 psi, SD. Well bled off to 0. MU and RIH w.3.65 gauge ring to 12,525', POOH. When running gauge ring fd fluid level @ 110' from surface. MU and RIH w/plug. **Set HES 10k Obsidian FTFP w/soluplug @ 12,520'**. POOH. MU plug and guns and RIH. Pressure well up to 4,000 psi and **set second HES 10k Obsidian FTFP w/soluplug @ 12,500'**. **Perf stage-2 Kenilworth/Aberdeen** f/**12,364-65', 12,372-74', 12,422-23', 12,449-50', 12,476-77', 12,486-88**' w/2 ¾" gun, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/7,431 @ 4 bpm. Get rate up to 24 w/8,076 psi and SD, ISIP 4,930 FG .85 calculated holes open 6.8, (28.1%). Produced FR slick water frac well w/76,060# 20/40 Premium white sand, 3,183 bbls Produced FR slick water, and flushed w/193 bbls Produced FR slick water, spot 250 gal 15% HCL during flush for next set of perfs. SD, ISIP 4,747 FG .84 MR 50 bpm, AR 46.6 bpm, MP 8,810 AP 8,375. Leave well shut in to monitor psi. SDFD.

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10/16/14 Have safety meeting, (multiple operations). FD 4,600 sicp. MU and RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 12,130'**. **Perf stage-3 Desert/Grassy** f/**11,940-41', 11,960-61', 11,988-89', 12,002-03', 12,011-12', 12,032-33', 12,048-49', 12,066-67', 12,092-93', 12,104-05'** w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH Ru to frac. Break dn perfs w/8,577 @ 5 bpm. Get rate up to 40 bpm w/8,130 psi and SD, ISIP 4,240 FG .81, calculated holes open 12.3 (41%). Produced FR slick water frac well w/110,200# 20/40 Premium white sand, 5,359 bbls Produced FR slick water, and flushed w/188 bbls Produced FR slick water. Pumped 500 gal 15% HCL during flush for next set of perfs. SD, ISIP 4,314 FG .81. RIH w/plug and guns**. Set HES 10k Obsidian FTFP w/soluplug @ 11,646'**. **Perf stage-4 Lower Mesaverde** f/**11,329-30', 11,356-57', 11,388-89', 11,472-73', 11,482-83', 11,510-11', 11,536-37', 11,564-66', 11,590-91', 11,603-04', 11,620-21**' w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/6,749 @ 4.9 bpm. Get rate up to 38.6 bpm and SD. ISIP, 4,369 FG .84 calculated holes open 18, (50%). Produced water FR slick water frac well w/144,200# 20/40 Premium white sand, 5,456 bbls Produced FR slick water, and flushed w/168 bbls Produced FR slick water. SD, ISIP 4,381 FG .84 MR 60.3 bpm, AR 59.4 bpm, MP 8,092 psi, AP 8,250 psi. Open well up to flow back @ 5:30 p.m. w/4,300 on a 14/64 ck. SDFD.

10/17/14 Have safety meeting, (pumping psi). Fd well flowing w/4,000 on a 14/64 ck. Made 1,056 bbls in 11 hrs 30 min. TR 1,056 bbls, BLWTR 17,612 bbls. RIH w/plug and guns**. Set HES 10k Obsidian FTFP w/soluplug @ 11,294**'. **Perf stage-5 Lower Mesaverde** f/**10,969-70', 10,992-93', 11,013-14', 11,039-40', 11,062-63', 11,121-22', 11,150-51', 11,157-58', 11,212-13', 11,242-43', 11,264-65**' w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. Ru to frac. Break dn perfs w/5,381 @ 5 bpm. Get rate up to 42 bpm and SD. ISIP 4,139 FG .83 calculated holes open 12.4, (37.6%). Produced water FR slick water frac well w/128,900# 20/40 Premium white sand, 5,550 bbls Produced FR slick water, and flushed w/17 bbls Produced FR slick water. SD, MR 60.3 bpm, AR 55.3 bpm, MP 9,598 AP 8,169 psi. Screened out, cut job 3,100# short. Open well up to FB @ 3:50 p.m. w/3,500 on a 14/64 ck. SDFD. Total fluid pumped 24,235 bbls.

10/18/14 Have safety meeting, (wireline). Fd well flowing @ 3,700 on a 14/64 ck. Made 1,247 bbls in 13 hrs 13 min, TR 2,303 bbls, BLWTR 21,932 bbls. RU and pump flush on well w/acid for next set of perfs. RIH w/plug and guns**. Set HES 10k Obsidian FTFP w/soluplug @ 10,945'**. **Perf stage-6 Lower Mesaverde** f/**10,740-41', 10,764-65', 10,784-86', 10,812-13', 10,854-56', 10,871-72', 10,918-20'** w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/5,283 @ 5 bpm. Get rate up to 40.4 bpm and SD. ISIP, 4,054 FG

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.83 calculated holes open 20.5, (68.4%). Produced FR slick water frac well w/120,700# 20/40 Premium white sand, 4,808 bbls Produced FR slick water, and flushed w/166 bbls Produced FR slick water. SD, ISIP 4,134 FG .84 MR 58.7 bpm, AR 56.3 bpm, MP 8,700 psi, AP 8,095 psi. Open well up to FB @ 6:17 w/3,700 on a 14/64 ck. Total volume pumped 29,372 SDFD.

10/19/14 Have safety meeting, (pumping psi). Fd well flowing @ 3,500 on a 14/64 ck. Made 915 bbls in 11 hrs 17 min. TR 3,218 bbls, BLWTR 26,154 bbls. Pumped flush on well bore w/HCL for next set of perfs. RIH w/ plug and guns**. Set HES 10k obsidian FTFP w/soluplug @ 10,468' perf. Stage-7 Upper Mesaverde** f/ **10,130-31', 10,141'-42',10,173-74', 10,216-17',10,328-29',10,343-44',10,378-79',10,392-93',10,442-43'**. w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. R/U to frac. Break dn perfs w/5,554 @ 5 bpm. Get rate up to 44 bpm and SD. ISIP 3,833 FG .81 calculated holes open 23, (85%). Produced FR slick water frac well w/144,100# 20/40 Premium white sand, 6,074 bbls Produced FR slick water, and flushed w/151 bbls Produced FR slick water. SD, ISIP 3,833, FG .86 MR 60.2 bpm, AR 59.4 bpm, MP 8,428, AP 7,797 psi. Open well to flow back @ 7:00 p.m. w/3,600 on a 14/64 ck. SDFD. Total fluid pumped 35,597 bbls.

10/20/14 Have safety meeting, (pumping acid). Fd well flowing @ 3,600 on a 16/64 Made 1,129 bbls is 10 hrs, TR 4,347 bbls, BLWTR 31,250 bbls. Pump 135 bbls flush on well w/250 gal 15% HCL acid for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 10,030'. Perf stage-8 Upper Mesaverde** f/**9,586-87', 9,608-09', 9,632-33', 9,760-61', 9,772-73', 9,804-05', 9,838-39', 9,854-55', 9,895-96', 9,968-69', 9,985-86', 10,000-01'** w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/4,508 @ 5.1 bpm. SD, ISIP 3,174 FG .79 calculated holes open 14.5, (40.3%). Produced FR slick water frac well w/144,300# 20/40 Premium white sand, 5,374 bbls Produced FR slick water, and flushed w/152 bbls Produced FR slick water. SD, ISIP 3,413 FG .81 MR 64 bpm, AR 57.9 bpm, MP 8,568 psi, AP 7,345 psi. Open well up to FB @ 3:00 a.m. w/3,000 on a 16/64 ck. SDFD. Total fluid pumped, 41,124 bbls.

10/21/14 Have safety meeting, (slips, trips, falls). Fd well flowing @ 3,000 on a 16/64 ck. Made 1,446 bbls in 13 hrs. TR 5,793 bbls, BLWTR 35,331 bbls. RU and pump 142 bbl flush on well w/250 gal 15% HCL acid for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 9,546'**. **Perf stage-9 UpperMesaverde/Dark Canyon** f/**9,186-87', 9,199-9,200', 9,209-10', 9,246-47', 9,348-49', 9,360-61', 9,380-81', 9,412-13', 9,426-27', 9,526-27', 9,456-57', 9,522-24'** w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/4,260 @ 5 bpm. Get rate up to 43 bpm and SD.

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ISIP, 3,165 FG .79 calculated holes open 13.6, (37.9%). Produced FR slick water frac well w/156,100# 20/40 Premium white sand, 6,394 bbls Produced FR slick water, and flushed w/146 bbls Produced FR slick water. Pumped 500 gals 15% HCL acid during flush for next set of perfs. SD, ISIP 3446 FG .82 MR 61 bpm, AR 60 bpm, MP 8,612, AP 7,148 psi. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 8,910'**. **Perf stage-10 Wasatch** f/**8,578-79', 8,589-90', 8,674-75', 8,802-03', 8,839-40', 8,864-66', 8,886-87'** w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. RU to frac. Break dn perfs w/4,514 @ 5 bpm. Get rate up to 44 bpm and SD. ISIP 3,311 FG .81, calculated holes open 18.6 FG .81 Produced FR slick water frac well w/84,100# 20/40 Premium white sand, 3,728 bbls Produced FR slick water, and flushed w/128 bbls Produced FR slick water. SD, ISIP 3,408 FG .81 MR 60.5 bpm, AR 59.4 bpm, MP 8,006 psi, AP 7,516 psi. Open well up to FB @ 5:00 p.m. w/3,000 on a 16/64 ck. SDFD.

10/22/14 Have safety meeting, (wireline). Fd well flowing @ 2,100 on a 16/64 ck. made 981 bbls in 10 hrs 45 min. TR 6,774 bbls, BLWTR 44,748 bbls. Pump 118 bbls flush on well w/250 gal 15% HCL for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP @ 8,322**', when tried to set plug the plug did not set all the way. Pressure up on well to 4,500 psi and plug set. Collar locator failed. POOH. Rehead and RIH w/guns**. Perf stage-11 Wasatch** f/**7,964-65', 8,043-44', 8,160-61', 8,174-75', 8,212-13', 8,278-79', 8,300-02**' w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/5,578 @ 4.6 bpm. Get rate up to 38.8 bpm and SD. ISIP 2,296 FG .70 calculated holes open 11.2 (46.8%). Produced FR slick water frac well w/120,000# 20/40 Premium white sand, 4,705 bbls Produced FR slick water, and flushed w/128 bbls Produced FR slick water. SD, ISIP 2,407 FG .71 MR 64.2 bpm, AR 60 bpm, MP 8,722 psi, AP 7,108 psi. RIH w/plug and guns. **Set 10k Obsidian FTFP @ 7,360'**. **Perf stage-12 Wasatch** f/**6,944-45', 6,978-79', 6,988-89', 7,142-43', 7,222-24', 7,322-23', 7,336-38'** w/2 ¾" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/1,665 @ 5 bpm. Get rate up to 39 bpm and SD. ISIP, 1,168 FG .58 calculated holes open 13.3, (49.2%). Produced FR slick water frac well w/100,000# 20/40 Premium white sand, 3,919 bbls Produced FR slick water, and flushed w/103 bbls Produced FR slick water. SD, ISIP 1,509 FG .61 MR 60.6 bpm, AR 60.1 bpm, MP 6,821 psi, AP 5,322 psi. Open well up to FB @ 7:00 p.m. w/1,000 on a 16/64 ck. SDFD.

10/23/14 7:00 a.m. fd well flowing @ 1,000 psi on a 16/64 ck. Made 653 bbls in 12 hrs, TR 7,427 bbls, BLWTR 52,950 bbls.

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10/24/14 7:00 a.m. fd well flowing @ 1,100 psi on a 16/64 ck. Made 1380 bbls in 24 hrs, TR 8,807 bbls, BLWTR 52,950 bbls.

10/25/14 7:00 a.m. fd well flowing @ 900 psi on a 16/64 ck. Made 2,113 bbls in 24 hrs, TR 10,920 bbls, BLWTR 52,950 bbls. 10/25/14 Held safety meeting: (PSI). R/U Coil tubing Schlumberger test flowback lines and bope to 7k (held), RIH w/ Weatherford,s new 33/4'' 4- bladed mill, used mudmotor. FCP @ 850. Tag 1st plug @ 7,375' c/o plug in 14 mins FCP @ 850. Tag 2nd plug @ 8,355' c/o plug in 29 mins FCP @ 700. Tag 3rd plug @ 8,935' c/o plug in 23 mins FCP @ 750. Tag 4th plug @ 9,569' c/o plug in 35 mins FCP @ 1,850. Tag 5th plug @ 10,058' c/o plug in 26 mins FCP @ 1,900. Tag 6th plug @ 10,496' c/o plug in 22 mins FCP @ 1,850. Tag 7th plug @ 10,971' c/o plug in 26 mins FCP @ 1,700. Tag 8th plug @ 11,325' c/o plug in 9 mins FCP @ 2,300. Tag 9th plug @ 11,676' c/o plug in 30 mins FCP @ 2,400. Tag 10th plug @ 12,161' c/o plug in 20 mins FCP @ 2,600. Tag 11th plug @ 12,542' c/o plug in 7 mins FCP @ 2,800. RIH, Tag remaining part of plug @ 12,630', mill kept stalling out pulling over. Coil depth @12,593'- Correction @ 12,630' (18' of rat hole). Pumped 20 bbl sweep. POOH. FCP @ 2,700. SWI. Bled off, removed mill and mudmotor, restabbed on well,blew coil dry w/80,000 CF of Nitrogen. RDMO Schlumberger. Flow well on 16/64 Choke @ 2,700 PSI. Turn well over to flowback crew.

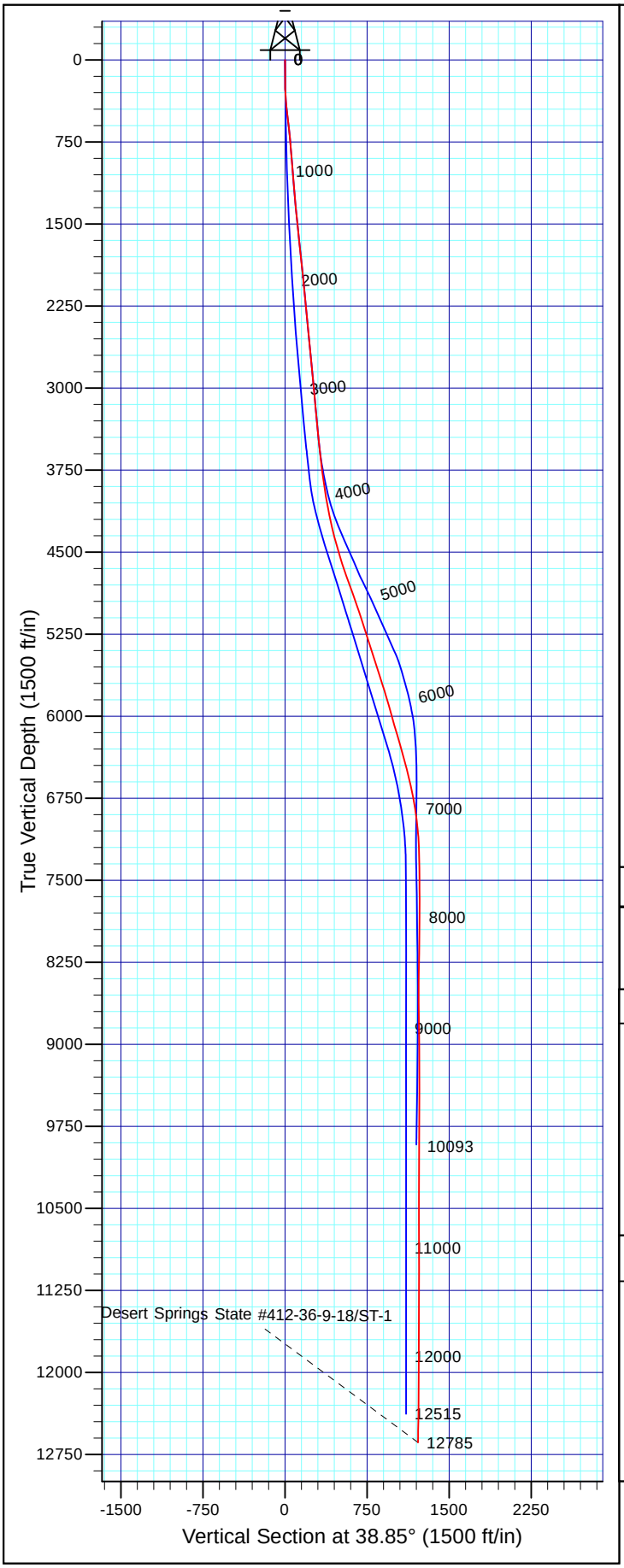
10/26/14 Drilled out Plugs turn back to flow back @ 12:10 a.m. 7:00 a.m. fd well flowing @ 2,300 psi on a 16/64 ck. Made 498 bbls in 7 hrs, TR 11,418 bbls, BLWTR 54,494 bbls.

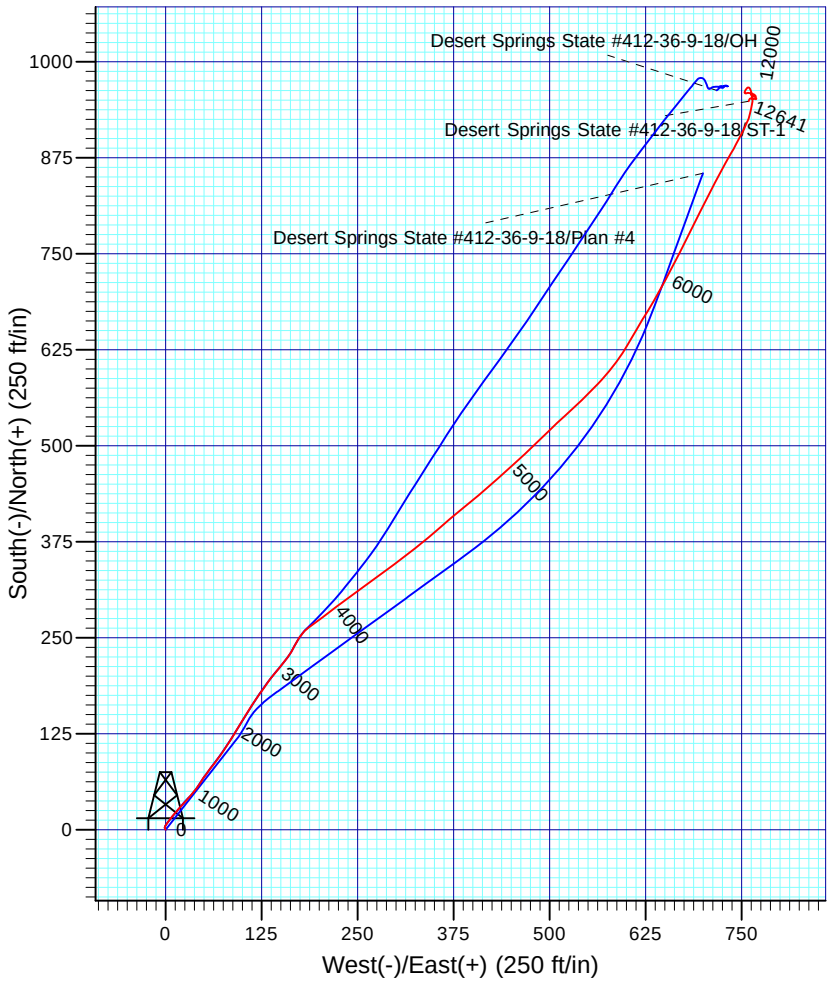
10/27/14 7:00 a.m. well flowing @ 2,100 psi on a 16/64 ck. Made 1,013 bbls in 24 hrs, TR 12,431 bbls, BLWTR 53,481 bbls. Shut well in to rig up for sales @ 11:00 a.m. w/2,100 on a 16/64 ck. Made 194 bbls in 4 hrs. TR 12,625 bbls, BLWTR 53,287 bbls. Open well up to first sales @ 4:00 p.m.

RECEIVED: Dec. 11, 2014

Scientific Drilling

Company:	Gasco Energy
Project:	Uintah County, UT NAD27
Site:	Desert Springs
Well:	Desert Springs State #412-36-9-18
Wellbore:	ST-1
Design:	ST-1





Well Details: Desert Springs State #412-36-9-18

TVD Reference: GL 4912' & RKB 25' @ 4937.00ft (SST 54) Ground Level: 4912.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	607976.68	2466005.56	39° 59' 26.379 N	109° 50' 12.030 W	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Desert Springs State #412-36-9-18, True North
Vertical (TVD) Reference: GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

System Datum: Mean Sea Level

Plan: ST-1

13:24, September 22 2014
Created By: Mel Mireles

Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	SDI OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Grand Junction District

Project Uintah County, UT NAD27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site Desert Springs

Site Position:		**Northing:**	607,976.71 usft	**Latitude:**	39° 59' 26.380 N
From:	Lat/Long	**Easting:**	2,466,005.55 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.07 °

Well Desert Springs State #412-36-9-18

Well Position	**+N/-S**	0.00 ft	**Northing:**	607,976.68 usft	**Latitude:**	39° 59' 26.379 N
	+E/-W	0.00 ft	**Easting:**	2,466,005.56 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	0.00 ft	**Ground Level:**	4,912.00 ft

Wellbore SDI OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	7/2/2014	10.94	65.71	51,868

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	2,990.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	36.69

Survey Program **Date** 8/20/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
145.00	2,990.00	Survey #1 (GyroData OH)	MWD	MWD - Standard
2,990.00	7,327.00	Survey #1 - MWD Survey (SDI OH)	MWD	MWD - Standard
7,398.00	10,093.00	Survey #2 - SDI MWD Survey (SDI OH)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.00	0.92	328.48	144.99	0.99	-0.61	0.43	0.63	0.63	0.00
237.00	0.92	334.19	236.98	2.29	-1.32	1.05	0.10	0.00	6.21
329.00	2.95	28.33	328.93	5.04	-0.51	3.73	2.74	2.21	58.85
425.00	6.33	38.61	424.60	11.35	3.96	11.47	3.61	3.52	10.71
519.00	6.99	40.81	517.97	19.73	10.93	22.35	0.75	0.70	2.34
612.00	6.24	38.70	610.35	27.95	17.79	33.05	0.85	-0.81	-2.27
706.00	5.19	41.34	703.88	35.13	23.79	42.39	1.15	-1.12	2.81
800.00	5.05	42.92	797.51	41.36	29.42	50.74	0.21	-0.15	1.68

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Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	SDI OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
895.00	5.19	43.80	892.13	47.52	35.24	59.16	0.17	0.15	0.93
989.00	4.84	32.55	985.77	53.93	40.32	67.33	1.11	-0.37	-11.97
1,083.00	4.57	33.69	1,079.45	60.39	44.53	75.03	0.30	-0.29	1.21
1,182.00	4.18	34.66	1,178.16	66.64	48.77	82.57	0.40	-0.39	0.98
1,274.00	5.01	35.63	1,269.87	72.66	53.02	89.94	0.91	0.90	1.05
1,369.00	5.67	36.42	1,364.45	79.81	58.22	98.78	0.70	0.69	0.83
1,461.00	5.71	36.50	1,456.00	87.14	63.64	107.90	0.04	0.04	0.09
1,556.00	5.89	37.12	1,550.51	94.83	69.39	117.50	0.20	0.19	0.65
1,650.00	6.29	36.24	1,643.98	102.83	75.35	127.48	0.44	0.43	-0.94
1,744.00	6.29	32.90	1,737.42	111.31	81.19	137.76	0.39	0.00	-3.55
1,839.00	6.20	30.53	1,831.85	120.09	86.62	148.06	0.29	-0.09	-2.49
1,934.00	6.24	31.49	1,926.29	128.92	91.92	158.30	0.12	0.04	1.01
2,030.00	5.63	29.38	2,021.78	137.47	96.96	168.16	0.67	-0.64	-2.20
2,126.00	5.14	31.23	2,117.36	145.25	101.50	177.12	0.54	-0.51	1.93
2,220.00	4.88	33.78	2,211.00	152.17	105.90	185.30	0.36	-0.28	2.71
2,316.00	5.71	31.49	2,306.59	159.64	110.67	194.14	0.89	0.86	-2.39
2,408.00	5.63	34.22	2,398.14	167.27	115.60	203.20	0.31	-0.09	2.97
2,503.00	5.67	36.33	2,492.68	174.91	121.00	212.55	0.22	0.04	2.22
2,599.00	5.63	35.10	2,588.21	182.58	126.52	222.00	0.13	-0.04	-1.28
2,692.00	5.67	32.99	2,680.76	190.17	131.64	231.14	0.23	0.04	-2.27
2,788.00	5.85	39.58	2,776.27	197.91	137.34	240.76	0.71	0.19	6.86
2,879.00	5.67	40.46	2,866.81	204.91	143.21	249.88	0.22	-0.20	0.97
2,971.00	5.41	38.35	2,958.38	211.77	148.85	258.75	0.36	-0.28	-2.29
2,990.00	5.36	38.09	2,977.30	213.17	149.96	260.53	0.29	-0.26	-1.37
3,052.00	5.30	38.70	3,039.03	217.68	153.53	266.29	0.13	-0.10	0.98
3,147.00	4.70	37.60	3,133.67	224.19	158.65	274.57	0.64	-0.63	-1.16
3,242.00	5.70	30.00	3,228.28	231.36	163.38	283.14	1.28	1.05	-8.00
3,337.00	5.40	27.00	3,322.83	239.43	167.77	292.24	0.44	-0.32	-3.16
3,432.00	5.40	31.30	3,417.41	247.23	172.12	301.09	0.43	0.00	4.53
3,527.00	6.30	38.40	3,511.92	255.14	177.68	310.75	1.21	0.95	7.47
3,622.00	7.60	45.10	3,606.22	263.66	185.37	322.18	1.61	1.37	7.05
3,717.00	9.60	45.00	3,700.15	273.69	195.42	336.23	2.11	2.11	-0.11
3,811.00	11.20	43.50	3,792.60	285.86	207.25	353.05	1.73	1.70	-1.60
3,907.00	11.70	41.50	3,886.69	299.91	220.12	372.01	0.66	0.52	-2.08
4,002.00	14.00	38.60	3,979.31	316.11	233.67	393.10	2.51	2.42	-3.05
4,094.00	16.60	38.80	4,068.04	335.05	248.85	417.36	2.83	2.83	0.22
4,188.00	19.20	36.60	4,157.48	357.93	266.49	446.24	2.86	2.77	-2.34
4,283.00	21.40	31.90	4,246.58	385.19	284.96	479.14	2.88	2.32	-4.95
4,379.00	23.80	31.50	4,335.20	416.58	304.34	515.88	2.51	2.50	-0.42
4,474.00	25.00	32.70	4,421.72	449.82	325.20	555.00	1.37	1.26	1.26
4,569.00	23.70	32.10	4,508.26	482.88	346.19	594.06	1.39	-1.37	-0.63
4,665.00	22.50	33.20	4,596.56	514.60	366.51	631.63	1.33	-1.25	1.15
4,760.00	24.00	33.70	4,683.85	545.89	387.18	669.07	1.59	1.58	0.53

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Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	SDI OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,856.00	25.60	36.80	4,771.00	578.74	410.44	709.31	2.15	1.67	3.23
4,951.00	26.20	35.60	4,856.45	612.23	434.94	750.80	0.84	0.63	-1.26
5,045.00	25.40	35.20	4,941.08	645.57	458.64	791.70	0.87	-0.85	-0.43
5,141.00	23.60	33.50	5,028.44	678.42	481.12	831.48	2.01	-1.88	-1.77
5,236.00	24.20	33.80	5,115.29	710.46	502.45	869.91	0.64	0.63	0.32
5,331.00	24.50	34.30	5,201.84	742.91	524.38	909.04	0.38	0.32	0.53
5,426.00	24.00	33.20	5,288.46	775.35	546.06	948.00	0.71	-0.53	-1.16
5,521.00	24.00	33.10	5,375.24	807.71	567.19	986.57	0.04	0.00	-0.11
5,616.00	22.00	31.70	5,462.69	839.03	587.09	1,023.58	2.18	-2.11	-1.47
5,711.00	17.40	36.30	5,552.11	865.64	604.86	1,055.53	5.11	-4.84	4.84
5,807.00	15.60	37.60	5,644.15	887.43	621.24	1,082.79	1.91	-1.88	1.35
5,902.00	15.60	37.50	5,735.65	907.69	636.81	1,108.34	0.03	0.00	-0.11
5,997.00	13.20	38.10	5,827.66	926.36	651.28	1,131.96	2.53	-2.53	0.63
6,091.00	11.80	39.50	5,919.43	942.22	664.01	1,152.29	1.52	-1.49	1.49
6,186.00	9.00	38.70	6,012.86	955.52	674.84	1,169.42	2.95	-2.95	-0.84
6,281.00	6.60	39.30	6,106.98	965.54	682.94	1,182.30	2.53	-2.53	0.63
6,376.00	4.50	37.90	6,201.52	972.71	688.69	1,191.48	2.21	-2.21	-1.47
6,471.00	2.30	48.20	6,296.35	976.92	692.40	1,197.08	2.39	-2.32	10.84
6,566.00	1.10	75.00	6,391.31	978.43	694.71	1,199.66	1.48	-1.26	28.21
6,661.00	1.10	82.40	6,486.29	978.79	696.49	1,201.01	0.15	0.00	7.79
6,756.00	1.10	99.70	6,581.28	978.75	698.29	1,202.06	0.35	0.00	18.21
6,851.00	0.80	136.00	6,676.26	978.12	699.65	1,202.37	0.69	-0.32	38.21
6,947.00	1.10	138.70	6,772.25	976.95	700.73	1,202.07	0.32	0.31	2.81
7,042.00	1.20	147.60	6,867.23	975.42	701.86	1,201.52	0.22	0.11	9.37
7,137.00	1.30	145.20	6,962.21	973.70	703.01	1,200.83	0.12	0.11	-2.53
7,232.00	2.30	170.50	7,057.16	970.93	703.94	1,199.16	1.32	1.05	26.63
7,327.00	2.50	156.00	7,152.08	967.16	705.10	1,196.83	0.67	0.21	-15.26
7,398.00	1.85	144.36	7,223.03	964.81	706.39	1,195.72	1.10	-0.92	-16.39
7,468.00	1.67	62.18	7,293.00	964.37	707.95	1,196.30	3.31	-0.26	-117.40
7,526.00	1.85	57.79	7,350.98	965.27	709.49	1,197.94	0.39	0.31	-7.57
7,558.00	1.76	51.37	7,382.96	965.85	710.32	1,198.90	0.69	-0.28	-20.06
7,590.00	1.67	62.88	7,414.95	966.37	711.11	1,199.79	1.11	-0.28	35.97
7,622.00	1.85	71.70	7,446.93	966.74	712.02	1,200.63	1.01	0.56	27.56
7,653.00	1.41	80.55	7,477.92	966.96	712.87	1,201.32	1.63	-1.42	28.55
7,686.00	1.32	87.05	7,510.91	967.05	713.65	1,201.85	0.54	-0.27	19.70
7,717.00	1.49	78.70	7,541.90	967.14	714.40	1,202.38	0.86	0.55	-26.94
7,753.00	1.14	86.17	7,577.89	967.26	715.22	1,202.96	1.08	-0.97	20.75
7,784.00	1.14	88.64	7,608.88	967.29	715.84	1,203.35	0.16	0.00	7.97
7,812.00	1.14	81.50	7,636.88	967.34	716.39	1,203.72	0.51	0.00	-25.50
7,845.00	1.14	85.91	7,669.87	967.41	717.04	1,204.17	0.27	0.00	13.36
7,876.00	1.32	90.04	7,700.87	967.43	717.71	1,204.58	0.65	0.58	13.32
7,908.00	1.15	105.17	7,732.86	967.35	718.38	1,204.92	1.14	-0.53	47.28
7,940.00	1.14	102.96	7,764.85	967.19	719.00	1,205.16	0.14	-0.03	-6.91

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Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	SDI OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,973.00	1.14	82.31	7,797.85	967.16	719.65	1,205.53	1.24	0.00	-62.58
8,003.00	1.41	73.34	7,827.84	967.31	720.30	1,206.03	1.12	0.90	-29.90
8,038.00	1.32	67.28	7,862.83	967.59	721.08	1,206.72	0.49	-0.26	-17.31
8,068.00	1.23	76.33	7,892.82	967.79	721.72	1,207.27	0.73	-0.30	30.17
8,095.00	1.32	75.36	7,919.81	967.94	722.30	1,207.74	0.34	0.33	-3.59
8,129.00	1.06	89.34	7,953.81	968.04	722.99	1,208.23	1.14	-0.76	41.12
8,159.00	0.97	88.55	7,983.80	968.05	723.52	1,208.56	0.30	-0.30	-2.63
8,191.00	0.97	94.52	8,015.80	968.04	724.06	1,208.87	0.32	0.00	18.66
8,226.00	1.06	102.52	8,050.79	967.95	724.67	1,209.16	0.48	0.26	22.86
8,252.00	1.06	110.70	8,076.79	967.81	725.13	1,209.32	0.58	0.00	31.46
8,285.00	1.23	105.77	8,109.78	967.60	725.76	1,209.53	0.59	0.52	-14.94
8,325.00	0.88	99.45	8,149.77	967.44	726.48	1,209.83	0.92	-0.88	-15.80
8,349.00	0.70	66.84	8,173.77	967.47	726.79	1,210.04	1.98	-0.75	-135.88
8,381.00	0.73	31.42	8,205.77	967.72	727.08	1,210.41	1.36	0.09	-110.69
8,414.00	0.70	70.09	8,238.77	967.96	727.38	1,210.79	1.44	-0.09	117.18
8,445.00	0.53	92.59	8,269.77	968.02	727.70	1,211.03	0.94	-0.55	72.58
8,477.00	0.44	60.54	8,301.76	968.08	727.95	1,211.22	0.88	-0.28	-100.16
8,514.00	0.62	96.28	8,338.76	968.12	728.28	1,211.45	0.99	0.49	96.59
8,545.00	0.79	81.69	8,369.76	968.14	728.66	1,211.69	0.79	0.55	-47.06
8,571.00	0.88	87.93	8,395.76	968.17	729.03	1,211.94	0.49	0.35	24.00
8,609.00	0.88	103.14	8,433.75	968.11	729.61	1,212.24	0.61	0.00	40.03
8,639.00	0.88	108.41	8,463.75	967.99	730.05	1,212.41	0.27	0.00	17.57
8,666.00	1.06	106.30	8,490.75	967.85	730.49	1,212.56	0.68	0.67	-7.81
8,702.00	0.70	78.35	8,526.74	967.80	731.02	1,212.84	1.53	-1.00	-77.64
8,728.00	0.53	86.26	8,552.74	967.84	731.30	1,213.03	0.73	-0.65	30.42
8,761.00	0.53	118.34	8,585.74	967.78	731.58	1,213.16	0.89	0.00	97.21
8,795.00	0.35	321.46	8,619.74	967.79	731.66	1,213.20	2.54	-0.53	-461.41
8,828.00	0.62	312.93	8,652.74	967.99	731.46	1,213.25	0.84	0.82	-25.85
8,857.00	0.79	321.02	8,681.74	968.25	731.22	1,213.32	0.68	0.59	27.90
8,887.00	0.62	302.56	8,711.73	968.50	730.96	1,213.36	0.94	-0.57	-61.53
8,922.00	0.53	295.62	8,746.73	968.67	730.65	1,213.31	0.32	-0.26	-19.83
8,953.00	0.44	270.04	8,777.73	968.73	730.40	1,213.21	0.75	-0.29	-82.52
8,987.00	0.53	281.47	8,811.73	968.76	730.12	1,213.07	0.39	0.26	33.62
9,017.00	0.53	276.02	8,841.73	968.81	729.84	1,212.94	0.17	0.00	-18.17
9,050.00	0.79	273.03	8,874.73	968.83	729.47	1,212.73	0.79	0.79	-9.06
9,082.00	0.62	276.90	8,906.72	968.87	729.07	1,212.53	0.55	-0.53	12.09
9,114.00	0.53	251.32	8,938.72	968.84	728.76	1,212.32	0.84	-0.28	-79.94
9,143.00	0.90	258.92	8,967.72	968.75	728.41	1,212.04	1.31	1.28	26.21
9,174.00	0.62	260.20	8,998.72	968.68	728.01	1,211.74	0.90	-0.90	4.13
9,211.00	0.62	238.14	9,035.71	968.54	727.64	1,211.41	0.64	0.00	-59.62
9,240.00	0.53	227.94	9,064.71	968.37	727.41	1,211.13	0.47	-0.31	-35.17
9,269.00	0.79	226.27	9,093.71	968.14	727.16	1,210.80	0.90	0.90	-5.76
9,305.00	0.97	227.33	9,129.71	967.76	726.76	1,210.25	0.50	0.50	2.94
9,333.00	1.09	224.17	9,157.70	967.41	726.40	1,209.76	0.47	0.43	-11.29

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Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	ST-1	**Survey Calculation Method:**	Minimum Curvature
Design:	ST-1	**Database:**	Grand Junction District

Project Uintah County, UT NAD27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site Desert Springs

Site Position:		**Northing:**	607,976.71 usft	**Latitude:**	39° 59' 26.380 N
From:	Lat/Long	**Easting:**	2,466,005.55 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.07 °

Well Desert Springs State #412-36-9-18

Well Position	**+N/-S**	0.00 ft	**Northing:**	607,976.68 usft	**Latitude:**	39° 59' 26.379 N
	+E/-W	0.00 ft	**Easting:**	2,466,005.56 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	0.00 ft	**Ground Level:**	4,912.00 ft

Wellbore ST-1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	7/11/2014	10.94	65.71	51,865

Design ST-1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	3,560.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	38.85

Survey Program **Date** 8/20/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
145.00	2,990.00	Survey #1 (GyroData OH)	MWD	MWD - Standard
2,990.00	3,560.00	Survey #1 - MWD Survey (SDI OH)	MWD	MWD - Standard
3,560.00	11,525.00	Survey #1 - Production MWD Survey (ST-	SDI MWD	SDI MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.00	0.92	328.48	144.99	0.99	-0.61	0.39	0.63	0.63	0.00
237.00	0.92	334.19	236.98	2.29	-1.32	0.96	0.10	0.00	6.21
329.00	2.95	28.33	328.93	5.04	-0.51	3.60	2.74	2.21	58.85
425.00	6.33	38.61	424.60	11.35	3.96	11.32	3.61	3.52	10.71
519.00	6.99	40.81	517.97	19.73	10.93	22.22	0.75	0.70	2.34
612.00	6.24	38.70	610.35	27.95	17.79	32.93	0.85	-0.81	-2.27
706.00	5.19	41.34	703.88	35.13	23.79	42.29	1.15	-1.12	2.81
800.00	5.05	42.92	797.51	41.36	29.42	50.66	0.21	-0.15	1.68

RECEIVED: Dec. 11, 2014

Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	ST-1	**Survey Calculation Method:**	Minimum Curvature
Design:	ST-1	**Database:**	Grand Junction District

Project Uintah County, UT NAD27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site Desert Springs

Site Position:		**Northing:**	607,976.71 usft	**Latitude:**	39° 59' 26.380 N
From:	Lat/Long	**Easting:**	2,466,005.55 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.07 °

Well Desert Springs State #412-36-9-18

Well Position	**+N/-S**	0.00 ft	**Northing:**	607,976.68 usft	**Latitude:**	39° 59' 26.379 N
	+E/-W	0.00 ft	**Easting:**	2,466,005.56 usft	**Longitude:**	109° 50' 12.030 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	0.00 ft	**Ground Level:**	4,912.00 ft

Wellbore ST-1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	7/11/2014	10.94	65.71	51,865

Design ST-1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	3,560.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	38.85

Survey Program **Date** 9/22/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
145.00	2,990.00	Survey #1 (GyroData OH)	MWD	MWD - Standard
2,990.00	3,560.00	Survey #1 - MWD Survey (SDI OH)	MWD	MWD - Standard
3,560.00	12,785.00	Survey #1 - Production MWD Survey (ST-	SDI MWD	SDI MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.00	0.92	328.48	144.99	0.99	-0.61	0.39	0.63	0.63	0.00
237.00	0.92	334.19	236.98	2.29	-1.32	0.96	0.10	0.00	6.21
329.00	2.95	28.33	328.93	5.04	-0.51	3.60	2.74	2.21	58.85
425.00	6.33	38.61	424.60	11.35	3.96	11.32	3.61	3.52	10.71
519.00	6.99	40.81	517.97	19.73	10.93	22.22	0.75	0.70	2.34
612.00	6.24	38.70	610.35	27.95	17.79	32.93	0.85	-0.81	-2.27
706.00	5.19	41.34	703.88	35.13	23.79	42.29	1.15	-1.12	2.81
800.00	5.05	42.92	797.51	41.36	29.42	50.66	0.21	-0.15	1.68

RECEIVED: Dec. 11, 2014

Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	ST-1	**Survey Calculation Method:**	Minimum Curvature
Design:	ST-1	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
895.00	5.19	43.80	892.13	47.52	35.24	59.11	0.17	0.15	0.93
989.00	4.84	32.55	985.77	53.93	40.32	67.29	1.11	-0.37	-11.97
1,083.00	4.57	33.69	1,079.45	60.39	44.53	74.96	0.30	-0.29	1.21
1,182.00	4.18	34.66	1,178.16	66.64	48.77	82.49	0.40	-0.39	0.98
1,274.00	5.01	35.63	1,269.87	72.66	53.02	89.84	0.91	0.90	1.05
1,369.00	5.67	36.42	1,364.45	79.81	58.22	98.67	0.70	0.69	0.83
1,461.00	5.71	36.50	1,456.00	87.14	63.64	107.79	0.04	0.04	0.09
1,556.00	5.89	37.12	1,550.51	94.83	69.39	117.38	0.20	0.19	0.65
1,650.00	6.29	36.24	1,643.98	102.83	75.35	127.35	0.44	0.43	-0.94
1,744.00	6.29	32.90	1,737.42	111.31	81.19	137.61	0.39	0.00	-3.55
1,839.00	6.20	30.53	1,831.85	120.09	86.62	147.86	0.29	-0.09	-2.49
1,934.00	6.24	31.49	1,926.29	128.92	91.92	158.06	0.12	0.04	1.01
2,030.00	5.63	29.38	2,021.78	137.47	96.96	167.88	0.67	-0.64	-2.20
2,126.00	5.14	31.23	2,117.36	145.25	101.50	176.79	0.54	-0.51	1.93
2,220.00	4.88	33.78	2,211.00	152.17	105.90	184.94	0.36	-0.28	2.71
2,316.00	5.71	31.49	2,306.59	159.64	110.67	193.75	0.89	0.86	-2.39
2,408.00	5.63	34.22	2,398.14	167.27	115.60	202.78	0.31	-0.09	2.97
2,503.00	5.67	36.33	2,492.68	174.91	121.00	212.12	0.22	0.04	2.22
2,599.00	5.63	35.10	2,588.21	182.58	126.52	221.55	0.13	-0.04	-1.28
2,692.00	5.67	32.99	2,680.76	190.17	131.64	230.68	0.23	0.04	-2.27
2,788.00	5.85	39.58	2,776.27	197.91	137.34	240.28	0.71	0.19	6.86
2,879.00	5.67	40.46	2,866.81	204.91	143.21	249.42	0.22	-0.20	0.97
2,971.00	5.41	38.35	2,958.38	211.77	148.85	258.30	0.36	-0.28	-2.29
2,990.00	5.36	38.09	2,977.30	213.17	149.96	260.08	0.29	-0.26	-1.37
3,052.00	5.30	38.70	3,039.03	217.68	153.53	265.84	0.13	-0.10	0.98
3,147.00	4.70	37.60	3,133.67	224.19	158.65	274.12	0.64	-0.63	-1.16
3,242.00	5.70	30.00	3,228.28	231.36	163.38	282.67	1.28	1.05	-8.00
3,337.00	5.40	27.00	3,322.83	239.43	167.77	291.71	0.44	-0.32	-3.16
3,432.00	5.40	31.30	3,417.41	247.23	172.12	300.51	0.43	0.00	4.53
3,527.00	6.30	38.40	3,511.92	255.14	177.68	310.16	1.21	0.95	7.47
3,560.00	6.74	41.02	3,544.71	258.02	180.08	313.90	1.61	1.34	7.93
3,572.00	5.54	46.18	3,556.64	258.95	180.96	315.18	11.00	-10.01	43.02
First SDI Production MWD Survey									
3,635.00	6.07	54.27	3,619.31	263.00	185.86	321.41	1.55	0.84	12.84
3,730.00	6.95	53.74	3,713.70	269.33	194.57	331.80	0.93	0.93	-0.56
3,825.00	8.56	54.31	3,807.83	276.86	204.95	344.17	1.70	1.69	0.60
3,920.00	9.12	51.37	3,901.70	285.68	216.57	358.34	0.76	0.59	-3.09
4,015.00	9.86	53.68	3,995.40	295.20	229.01	373.55	0.88	0.78	2.43
4,107.00	11.17	53.30	4,085.85	305.19	242.50	389.80	1.43	1.42	-0.41
4,202.00	11.78	53.57	4,178.95	316.45	257.68	408.09	0.64	0.64	0.28
4,297.00	13.45	54.18	4,271.66	328.68	274.44	428.12	1.76	1.76	0.64
4,393.00	15.83	53.04	4,364.53	343.08	293.96	451.59	2.50	2.48	-1.19
4,488.00	16.38	53.83	4,455.81	358.78	315.13	477.09	0.62	0.58	0.83

Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	ST-1	**Survey Calculation Method:**	Minimum Curvature
Design:	ST-1	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,583.00	16.27	49.96	4,546.98	375.25	336.13	503.09	1.15	-0.12	-4.07
4,679.00	18.99	48.56	4,638.46	394.24	358.14	531.69	2.87	2.83	-1.46
4,774.00	19.79	50.93	4,728.07	414.61	382.21	562.65	1.18	0.84	2.49
4,870.00	20.40	49.79	4,818.23	435.65	407.61	594.97	0.76	0.64	-1.19
4,965.00	20.05	48.38	4,907.37	457.16	432.43	627.29	0.63	-0.37	-1.48
5,059.00	19.43	47.77	4,995.85	478.37	456.05	658.63	0.70	-0.66	-0.65
5,155.00	18.38	45.74	5,086.67	499.66	478.71	689.43	1.29	-1.09	-2.11
5,250.00	16.95	45.95	5,177.19	519.75	499.39	718.04	1.51	-1.51	0.22
5,345.00	17.76	48.03	5,267.86	539.07	520.12	746.09	1.07	0.85	2.19
5,440.00	18.40	45.92	5,358.17	559.19	541.66	775.27	0.96	0.67	-2.22
5,535.00	18.65	43.46	5,448.25	580.64	562.88	805.29	0.86	0.26	-2.59
5,630.00	17.69	38.12	5,538.52	603.02	582.24	834.87	2.02	-1.01	-5.62
5,725.00	17.32	30.91	5,629.13	626.52	598.42	863.31	2.31	-0.39	-7.59
5,820.00	18.23	30.43	5,719.59	651.46	613.21	892.01	0.97	0.96	-0.51
5,916.00	16.80	31.59	5,811.14	676.23	628.08	920.63	1.53	-1.49	1.21
6,011.00	16.18	30.01	5,902.23	699.38	641.90	947.33	0.81	-0.65	-1.66
6,105.00	15.83	26.23	5,992.59	722.23	654.11	972.78	1.17	-0.37	-4.02
6,200.00	16.71	28.17	6,083.79	745.89	666.29	998.85	1.09	0.93	2.04
6,295.00	16.27	26.85	6,174.88	769.80	678.75	1,025.29	0.61	-0.46	-1.39
6,389.00	16.63	25.90	6,265.03	793.65	690.57	1,051.27	0.48	0.38	-1.01
6,484.00	15.30	26.32	6,356.37	817.12	702.07	1,076.76	1.41	-1.40	0.44
6,580.00	15.83	27.73	6,448.85	840.06	713.77	1,101.97	0.68	0.55	1.47
6,675.00	13.72	29.40	6,540.70	861.35	725.33	1,125.80	2.27	-2.22	1.76
6,770.00	12.93	28.96	6,633.14	880.46	736.01	1,147.38	0.84	-0.83	-0.46
6,865.00	10.69	26.85	6,726.13	897.62	745.14	1,166.48	2.40	-2.36	-2.22
6,960.00	9.58	28.34	6,819.64	912.44	752.87	1,182.87	1.20	-1.17	1.57
7,055.00	8.37	18.79	6,913.48	925.95	758.85	1,197.14	2.02	-1.27	-10.05
7,150.00	7.17	10.24	7,007.61	938.33	762.13	1,208.84	1.75	-1.26	-9.00
7,246.00	4.66	9.27	7,103.09	948.07	763.83	1,217.49	2.62	-2.61	-1.01
7,341.00	3.18	345.46	7,197.87	954.43	763.79	1,222.42	2.28	-1.56	-25.06
7,436.00	2.38	344.74	7,292.76	958.89	762.61	1,225.14	0.84	-0.84	-0.76
7,530.00	1.41	348.62	7,386.71	961.90	761.86	1,227.03	1.04	-1.03	4.13
7,626.00	1.06	332.62	7,482.69	963.85	761.22	1,228.14	0.51	-0.36	-16.67
7,721.00	0.88	320.84	7,577.67	965.20	760.36	1,228.65	0.28	-0.19	-12.40
7,816.00	0.53	309.94	7,672.67	966.04	759.56	1,228.81	0.39	-0.37	-11.47
7,911.00	0.53	274.61	7,767.66	966.36	758.78	1,228.57	0.34	0.00	-37.19
8,005.00	0.44	260.81	7,861.66	966.34	758.00	1,228.05	0.16	-0.10	-14.68
8,101.00	0.70	234.80	7,957.65	965.94	757.15	1,227.22	0.38	0.27	-27.09
8,194.00	0.70	210.10	8,050.65	965.12	756.40	1,226.11	0.32	0.00	-26.56
8,289.00	1.06	223.02	8,145.64	963.98	755.51	1,224.66	0.43	0.38	13.60
8,385.00	0.79	198.85	8,241.62	962.70	754.69	1,223.15	0.49	-0.28	-25.18
8,480.00	1.32	209.75	8,336.61	961.13	753.94	1,221.45	0.59	0.56	11.47
8,575.00	0.44	150.77	8,431.60	959.87	753.57	1,220.24	1.22	-0.93	-62.08
8,670.00	0.93	150.53	8,526.59	958.88	754.13	1,219.82	0.52	0.52	-0.25

Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	ST-1	**Survey Calculation Method:**	Minimum Curvature
Design:	ST-1	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,765.00	1.14	65.87	8,621.58	958.59	755.37	1,220.37	1.48	0.22	-89.12
8,861.00	1.32	78.70	8,717.56	959.20	757.33	1,222.07	0.34	0.19	13.36
8,956.00	1.06	105.16	8,812.54	959.18	759.25	1,223.27	0.63	-0.27	27.85
9,051.00	1.06	87.64	8,907.52	958.99	760.98	1,224.20	0.34	0.00	-18.44
9,147.00	0.88	119.85	9,003.51	958.66	762.50	1,224.90	0.59	-0.19	33.55
9,242.00	1.30	113.79	9,098.49	957.86	764.12	1,225.29	0.46	0.44	-6.38
9,337.00	0.62	101.56	9,193.48	957.32	765.61	1,225.81	0.74	-0.72	-12.87
9,433.00	0.88	133.28	9,289.47	956.71	766.66	1,225.99	0.50	0.27	33.04
9,528.00	0.43	146.98	9,384.46	955.91	767.38	1,225.82	0.50	-0.47	14.42
9,623.00	0.26	124.58	9,479.46	955.49	767.75	1,225.73	0.23	-0.18	-23.58
9,719.00	0.53	140.40	9,575.46	955.03	768.22	1,225.66	0.30	0.28	16.48
9,813.00	0.72	286.41	9,669.46	954.86	767.93	1,225.34	1.27	0.20	155.33
9,908.00	0.97	283.75	9,764.45	955.22	766.57	1,224.77	0.27	0.26	-2.80
10,003.00	0.26	352.66	9,859.44	955.62	765.76	1,224.58	0.96	-0.75	72.54
10,098.00	0.40	163.74	9,954.44	955.52	765.83	1,224.54	0.69	0.15	180.08
10,194.00	0.79	306.43	10,050.44	955.59	765.39	1,224.32	1.18	0.41	148.64
10,289.00	0.88	289.11	10,145.43	956.22	764.17	1,224.05	0.28	0.09	-18.23
10,384.00	0.79	250.00	10,240.42	956.23	762.87	1,223.24	0.60	-0.09	-41.17
10,480.00	0.62	11.56	10,336.41	956.52	762.35	1,223.14	1.28	-0.18	126.63
10,575.00	0.18	3.38	10,431.41	957.17	762.46	1,223.71	0.47	-0.46	-8.61
10,670.00	0.09	136.18	10,526.41	957.26	762.52	1,223.83	0.26	-0.09	139.79
10,766.00	0.26	115.00	10,622.41	957.12	762.77	1,223.87	0.19	0.18	-22.06
10,861.00	0.18	152.62	10,717.41	956.89	763.04	1,223.86	0.17	-0.08	39.60
10,956.00	0.26	54.18	10,812.41	956.89	763.28	1,224.01	0.36	0.08	-103.62
11,049.00	0.79	172.83	10,905.41	956.37	763.53	1,223.77	1.01	0.57	127.58
11,145.00	0.44	156.57	11,001.40	955.38	763.76	1,223.14	0.40	-0.36	-16.94
11,240.00	0.70	82.83	11,096.40	955.12	764.48	1,223.38	0.75	0.27	-77.62
11,335.00	0.53	97.42	11,191.39	955.13	765.49	1,224.03	0.24	-0.18	15.36
11,430.00	1.23	117.73	11,286.38	954.60	766.83	1,224.46	0.80	0.74	21.38
11,525.00	0.88	148.93	11,381.36	953.50	768.11	1,224.40	0.69	-0.37	32.84
11,620.00	1.23	154.11	11,476.35	951.96	768.93	1,223.72	0.38	0.37	5.45
11,716.00	0.88	277.07	11,572.34	951.12	768.65	1,222.89	1.94	-0.36	128.08
11,811.00	0.79	283.66	11,667.33	951.37	767.29	1,222.23	0.14	-0.09	6.94
11,906.00	0.53	285.07	11,762.32	951.64	766.23	1,221.77	0.27	-0.27	1.48
12,001.00	0.59	266.91	11,857.32	951.73	765.32	1,221.27	0.20	0.06	-19.12
12,095.00	0.79	284.28	11,951.31	951.86	764.21	1,220.67	0.31	0.21	18.48
12,191.00	0.62	273.29	12,047.31	952.05	763.05	1,220.10	0.23	-0.18	-11.45
12,286.00	0.53	286.92	12,142.30	952.21	762.11	1,219.63	0.17	-0.09	14.35
12,381.00	0.44	258.00	12,237.30	952.26	761.34	1,219.19	0.27	-0.09	-30.44
12,485.00	0.62	220.12	12,341.29	951.75	760.58	1,218.31	0.37	0.17	-36.42
12,580.00	0.77	200.67	12,436.29	950.76	760.03	1,217.19	0.29	0.16	-20.47
12,675.00	0.66	208.19	12,531.28	949.68	759.54	1,216.05	0.15	-0.12	7.92
12,730.00	0.79	201.57	12,586.27	949.05	759.25	1,215.38	0.28	0.24	-12.04

Survey Report

Scientific Drilling

Company:	Gasco Energy	**Local Co-ordinate Reference:**	Well Desert Springs State #412-36-9-18
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	**MD Reference:**	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #412-36-9-18	**North Reference:**	True
Wellbore:	ST-1	**Survey Calculation Method:**	Minimum Curvature
Design:	ST-1	**Database:**	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Last SDI Production MWD Survey									
12,785.00	0.79	201.57	12,641.27	948.34	758.97	1,214.65	0.00	0.00	0.00
Projection to Bit									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
3,572.00	3,556.64	258.95	180.96	First SDI Production MWD Survey
12,730.00	12,586.27	949.05	759.25	Last SDI Production MWD Survey
12,785.00	12,641.27	948.34	758.97	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____

Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Prodcution Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s):Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845
   SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18

2. NAME OF OPERATOR: Gasco Production Company

9. API NUMBER: 4304737631

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237

PHONE NUMBER: (303) 483-0044

10. FIELD AND POOL, OR WILDCAT: Uteland Butte

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 0633 FNL 1512 FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 4/16/2015	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED
JUN 02 2015
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke TITLE Engineering Tech

SIGNATURE Lindsey Cooke DATE 5/18/2015

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S